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ROLLAMO

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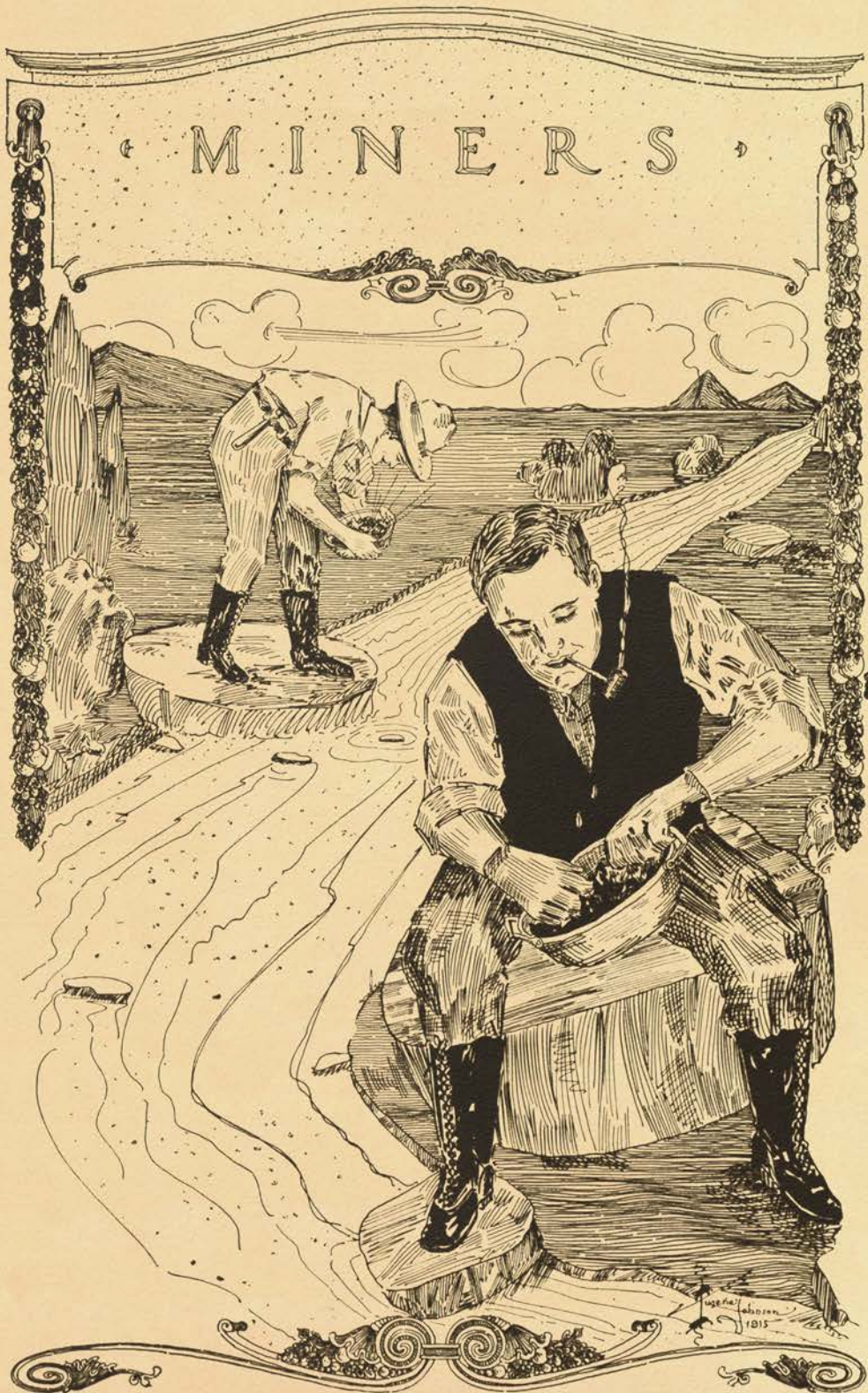
1915

THE
ROLLAMO
PUBLISHED ANNUALLY
BY THE STUDENTS.
OF THE
MISSOURI SCHOOL
OF
MINES
AND
METALLURGY
VOLUME 9
1915



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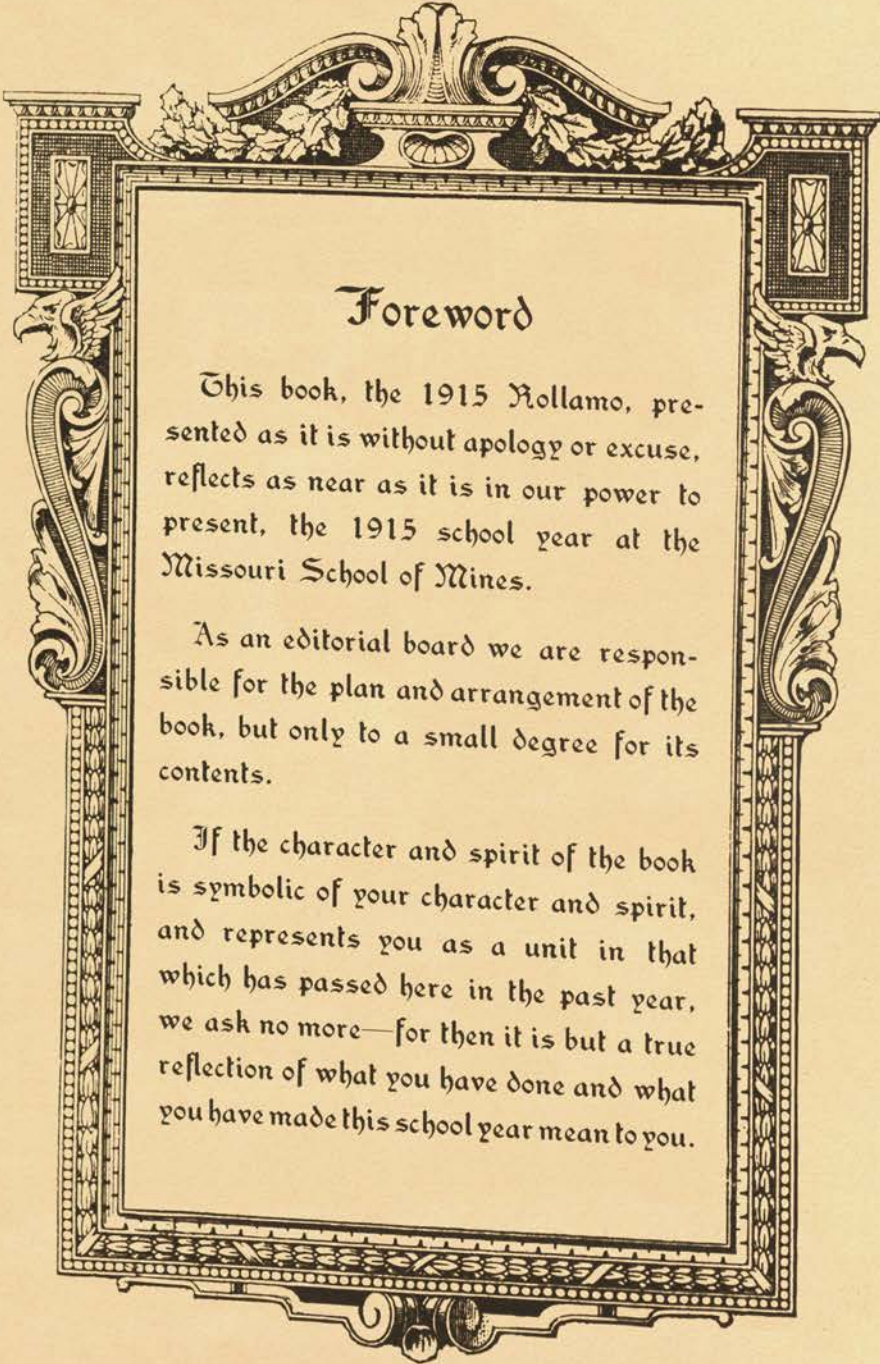
TO

VICTOR HUGO GOTTSCHALK

This record of all that we hold dear of our college
days is very respectfully dedicated.

THE 1915 ROLLAMO BOARD

W. Gottschalk

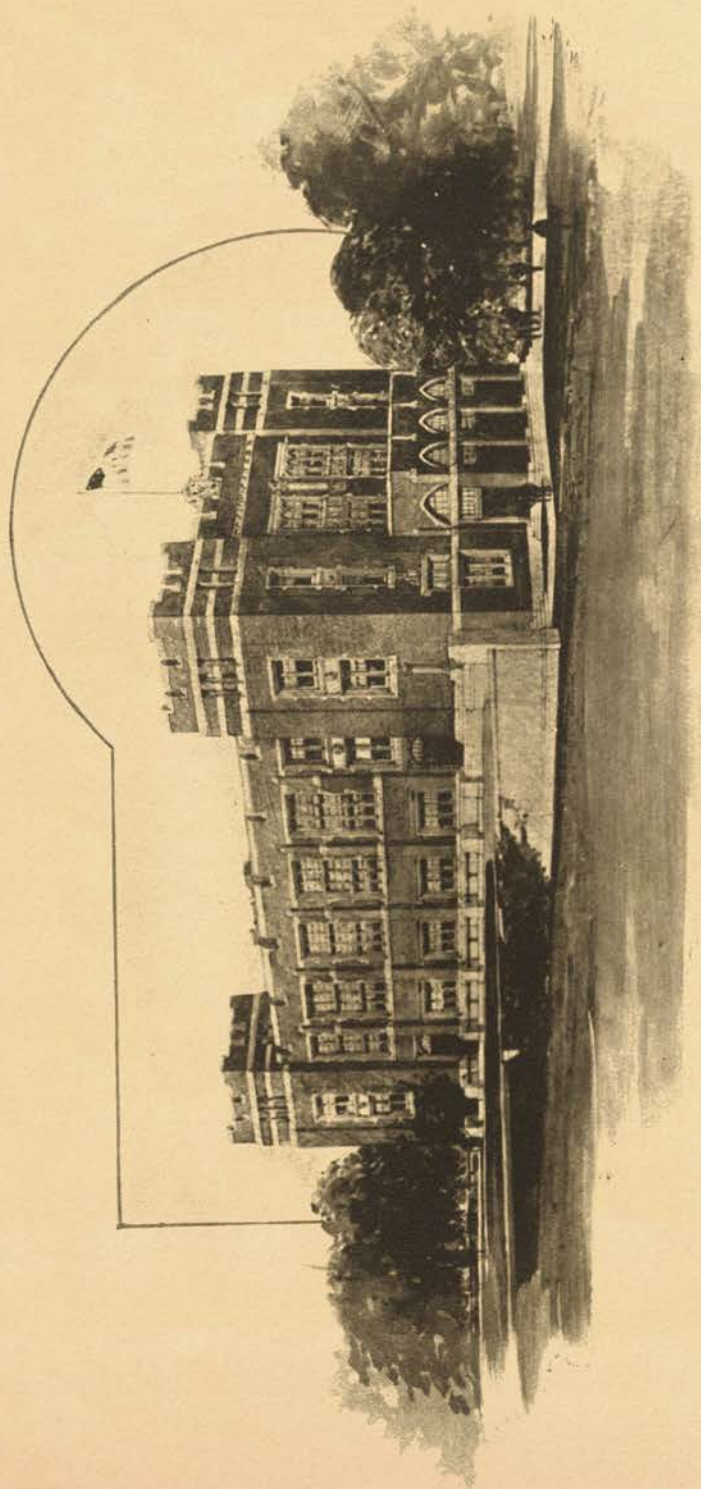


Foreword

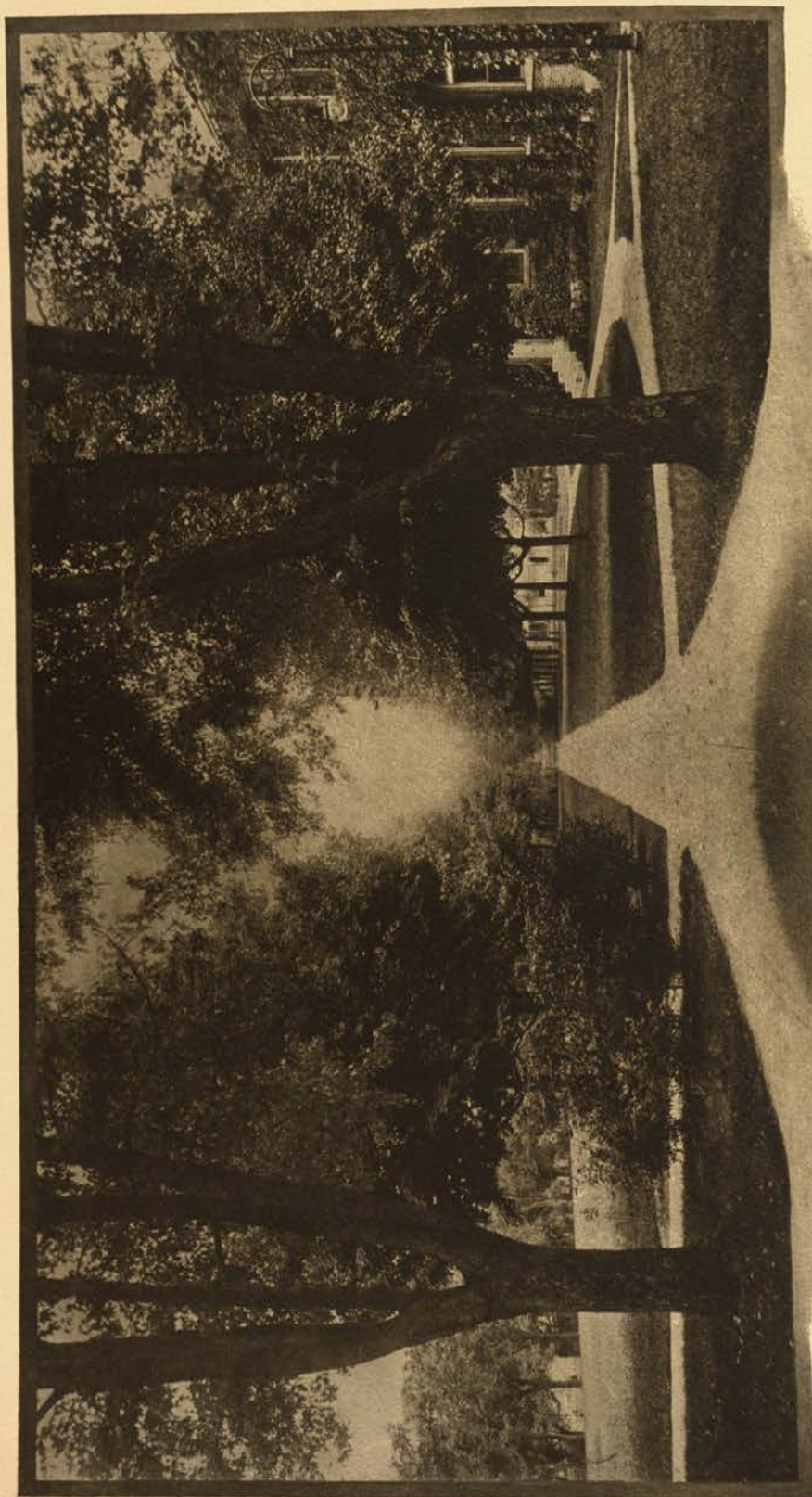
This book, the 1915 Rollamo, presented as it is without apology or excuse, reflects as near as it is in our power to present, the 1915 school year at the Missouri School of Mines.

As an editorial board we are responsible for the plan and arrangement of the book, but only to a small degree for its contents.

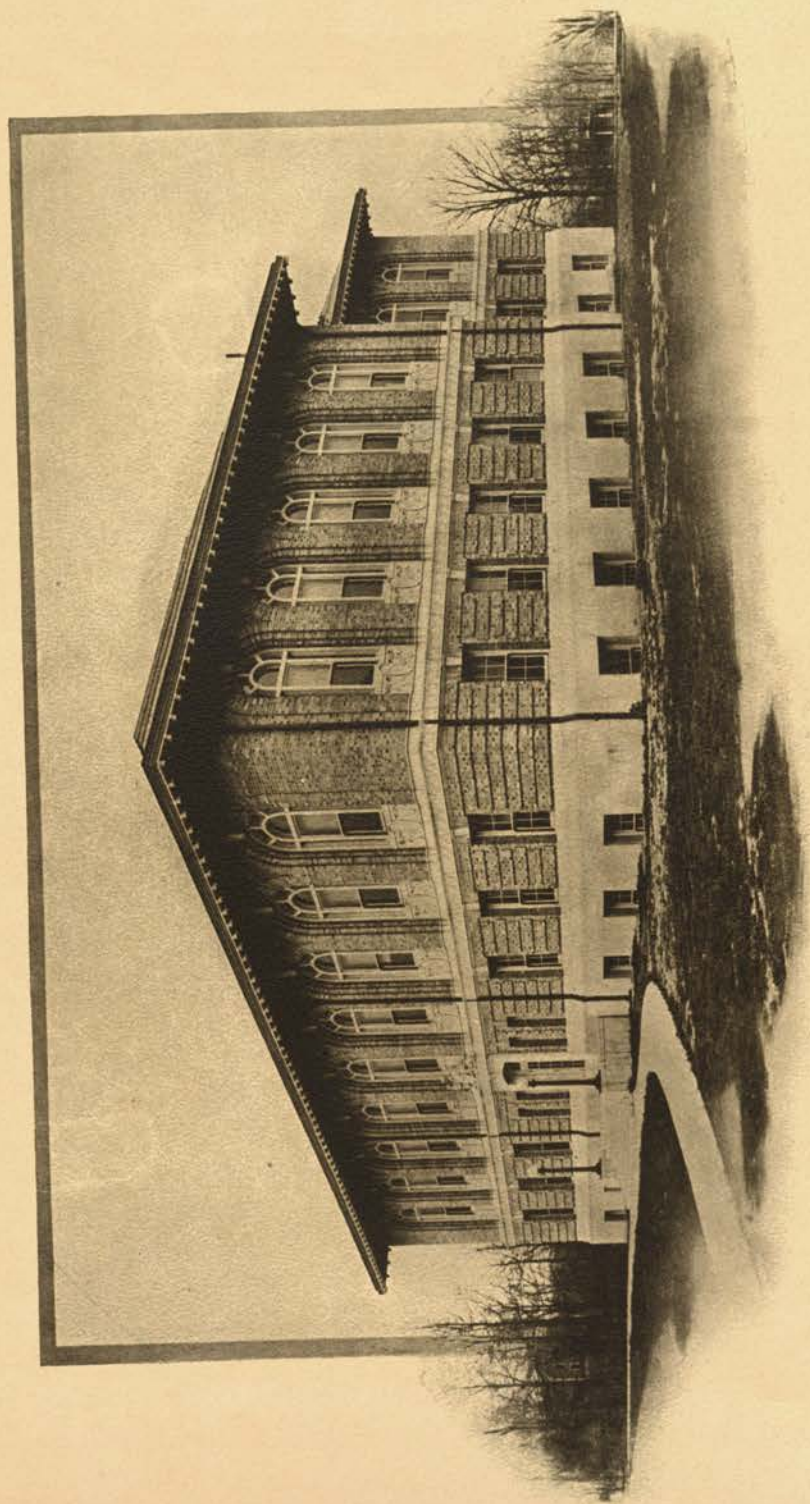
If the character and spirit of the book is symbolic of your character and spirit, and represents you as a unit in that which has passed here in the past year, we ask no more—for then it is but a true reflection of what you have done and what you have made this school year mean to you.



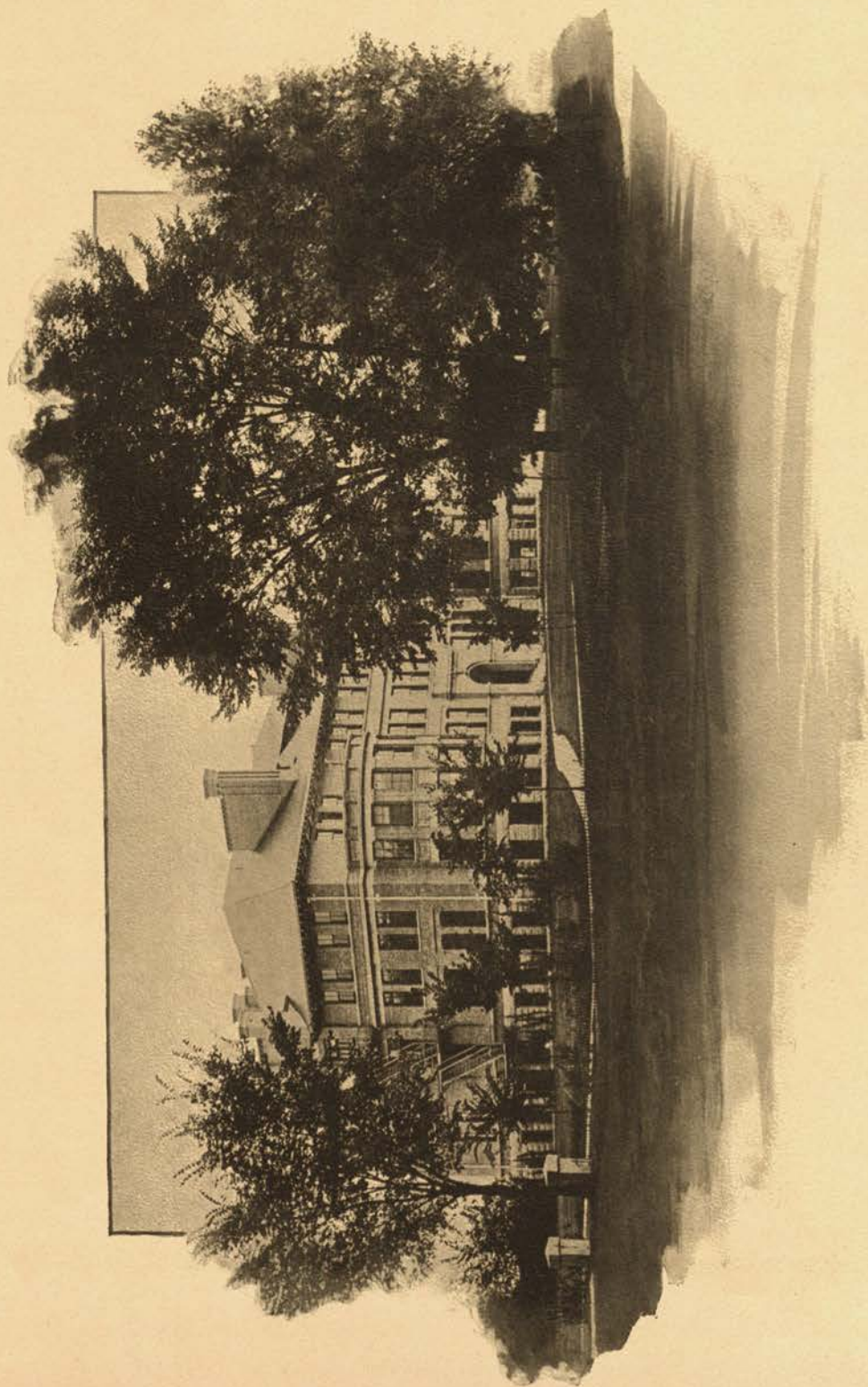
GYMNASIUM.



CAMPUS.



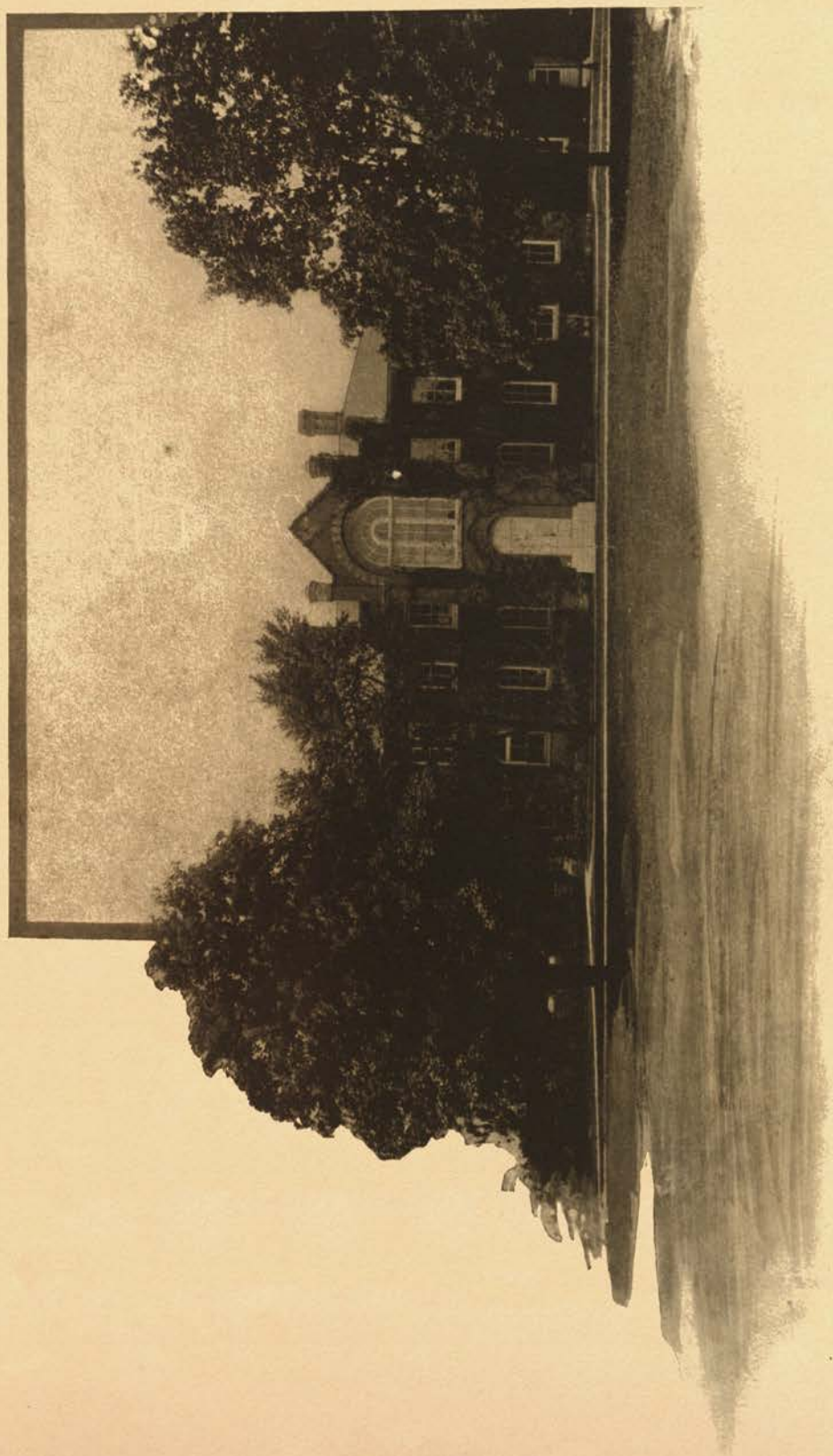
PARKER HALL.



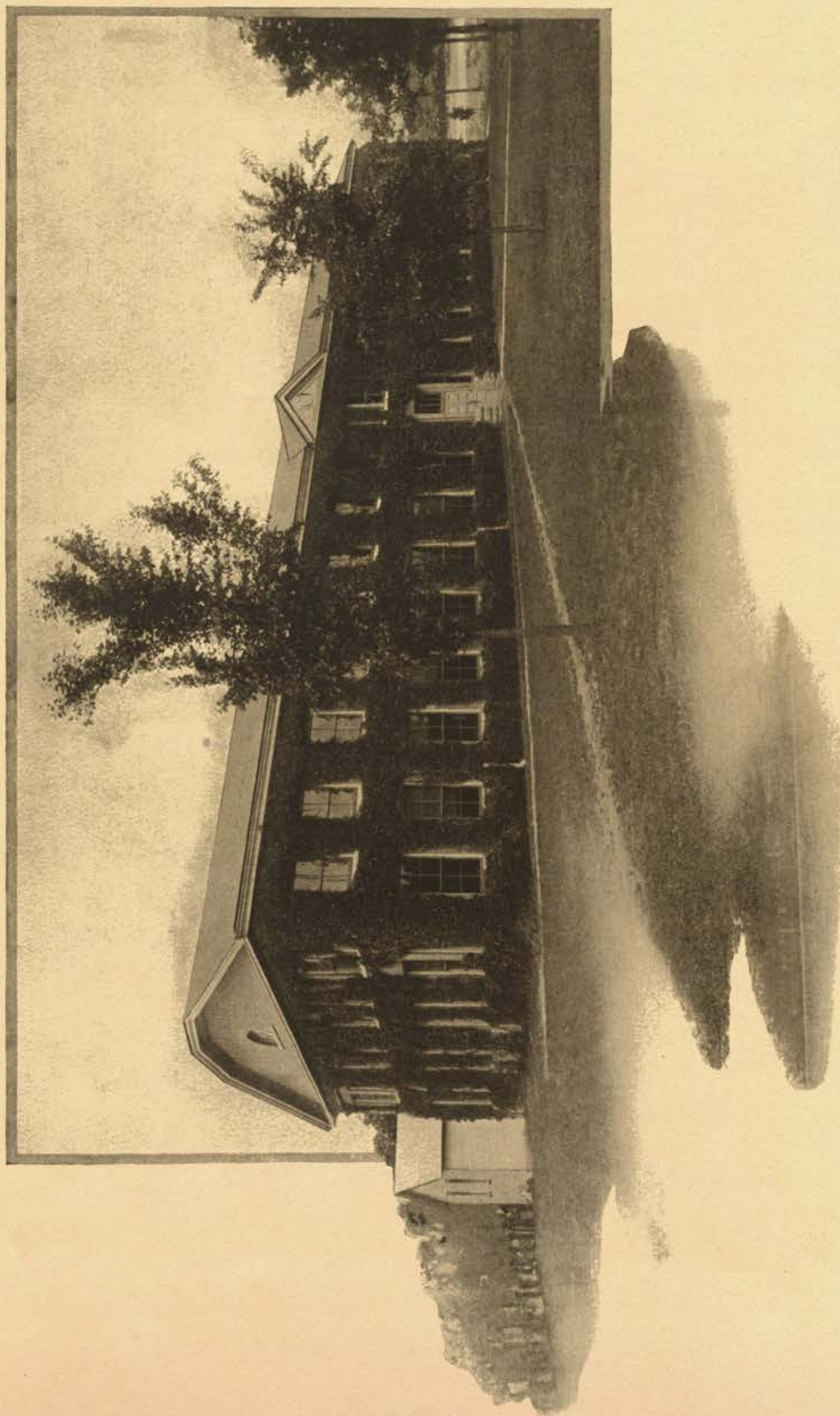
NORWOOD HALL.



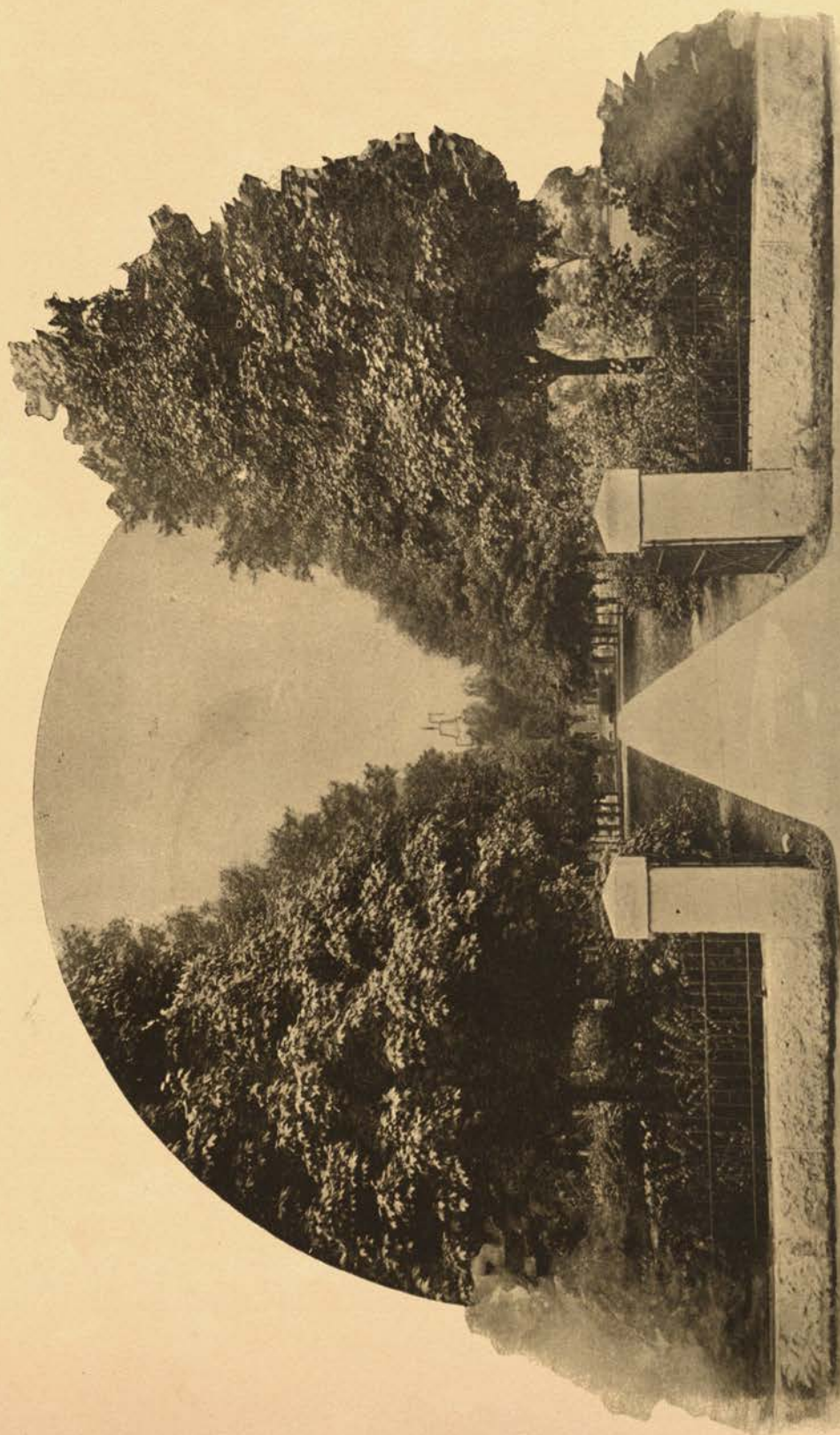
CAMPUS VIEW.



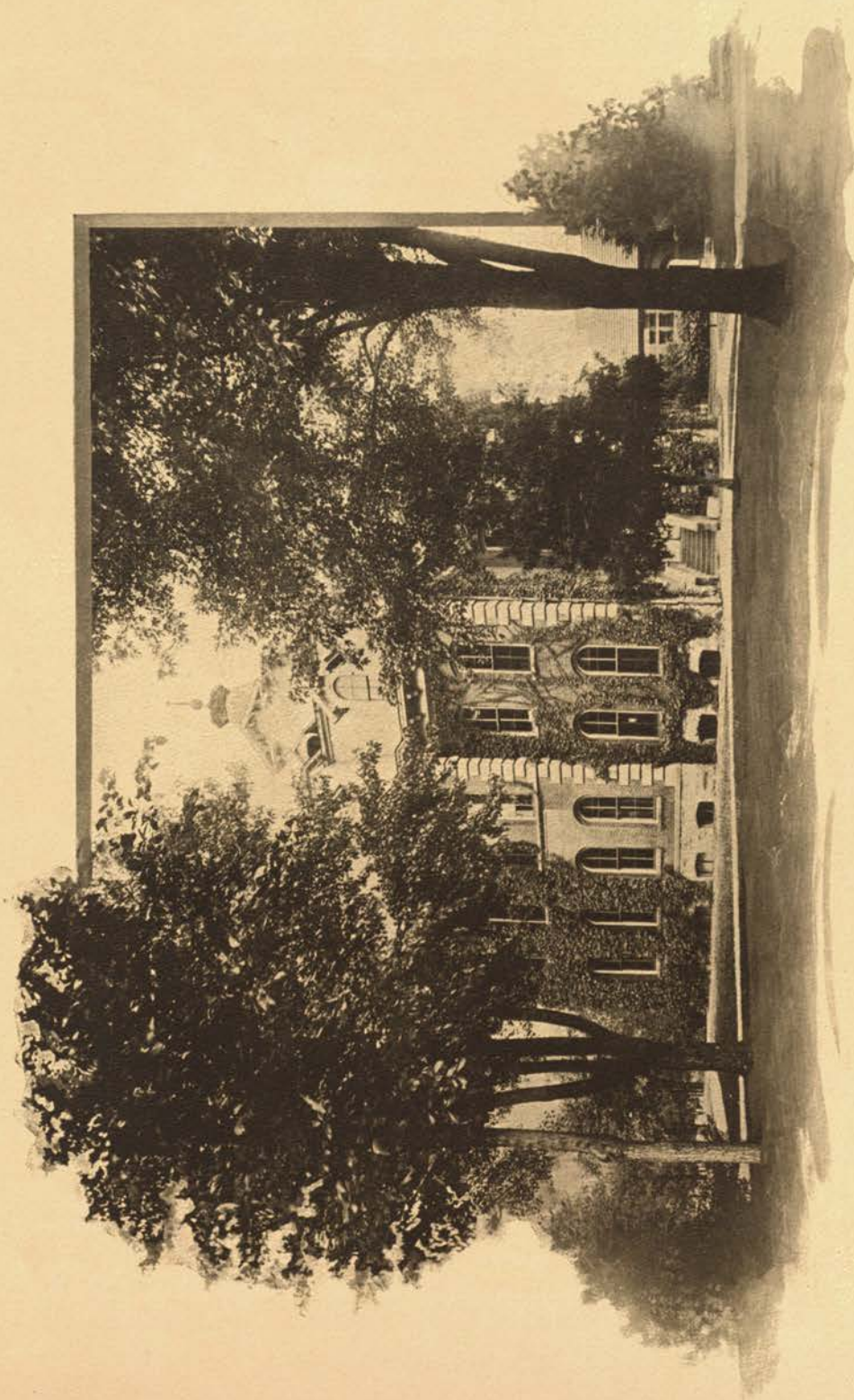
CHEMISTRY BUILDING.



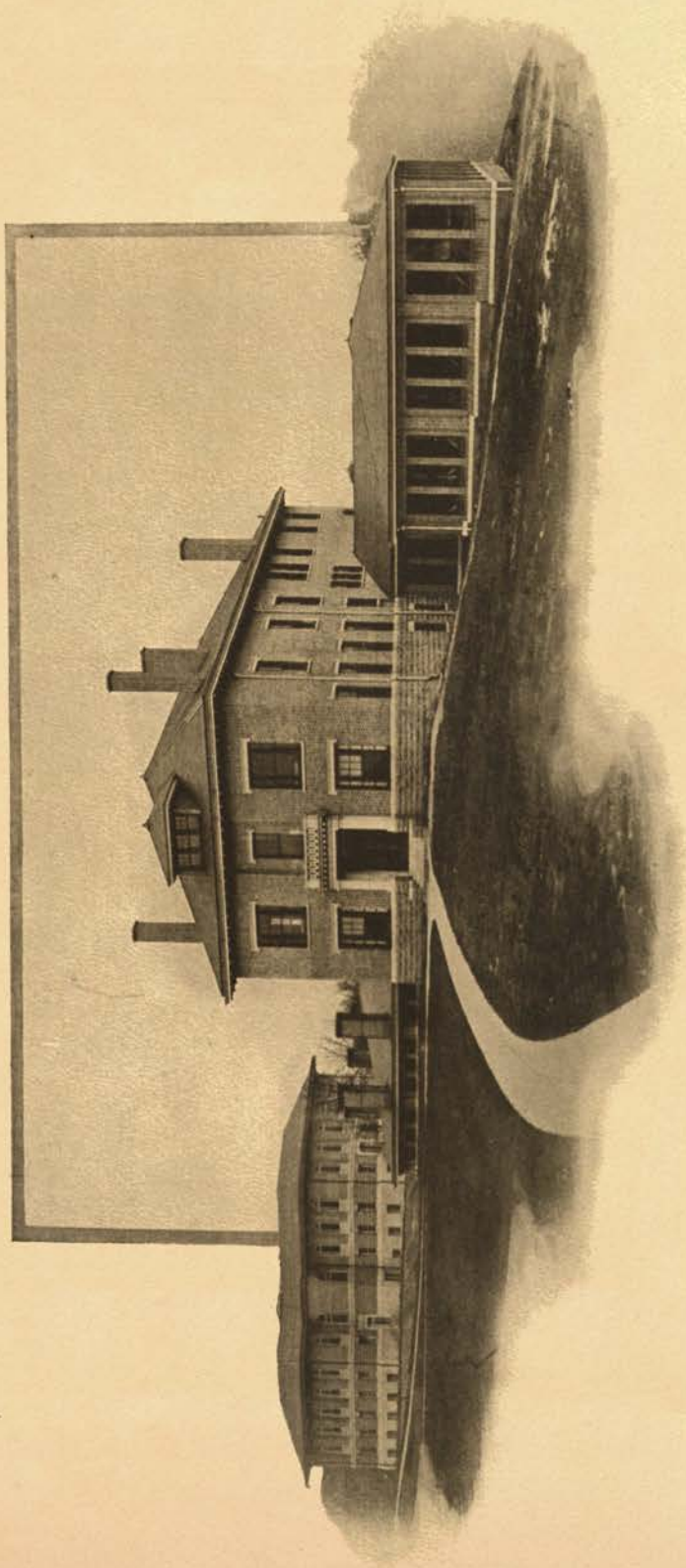
MECHANICAL HALL.



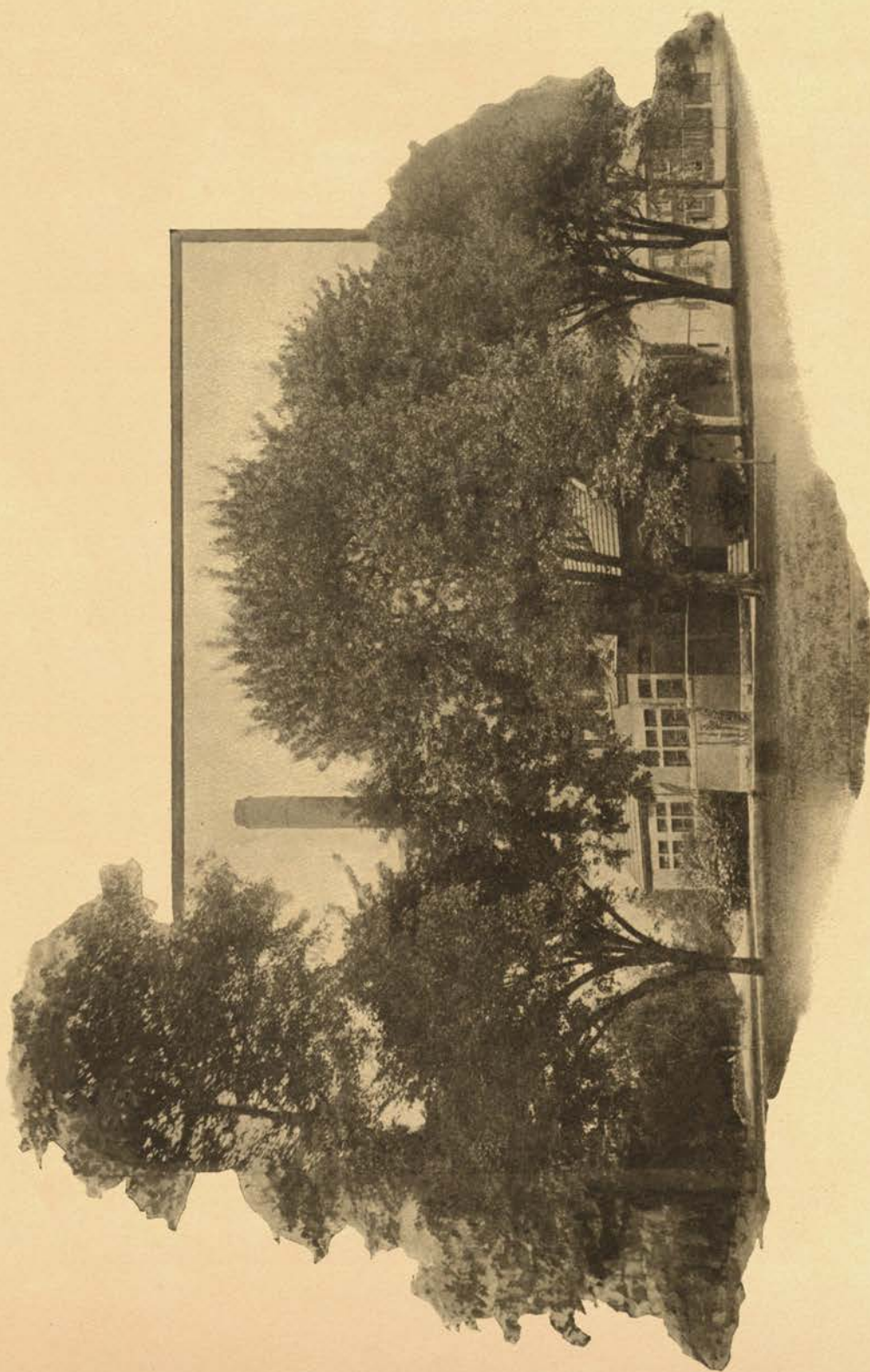
SOUTH GATE TO CAMPUS.



ROLLA BUILDING.



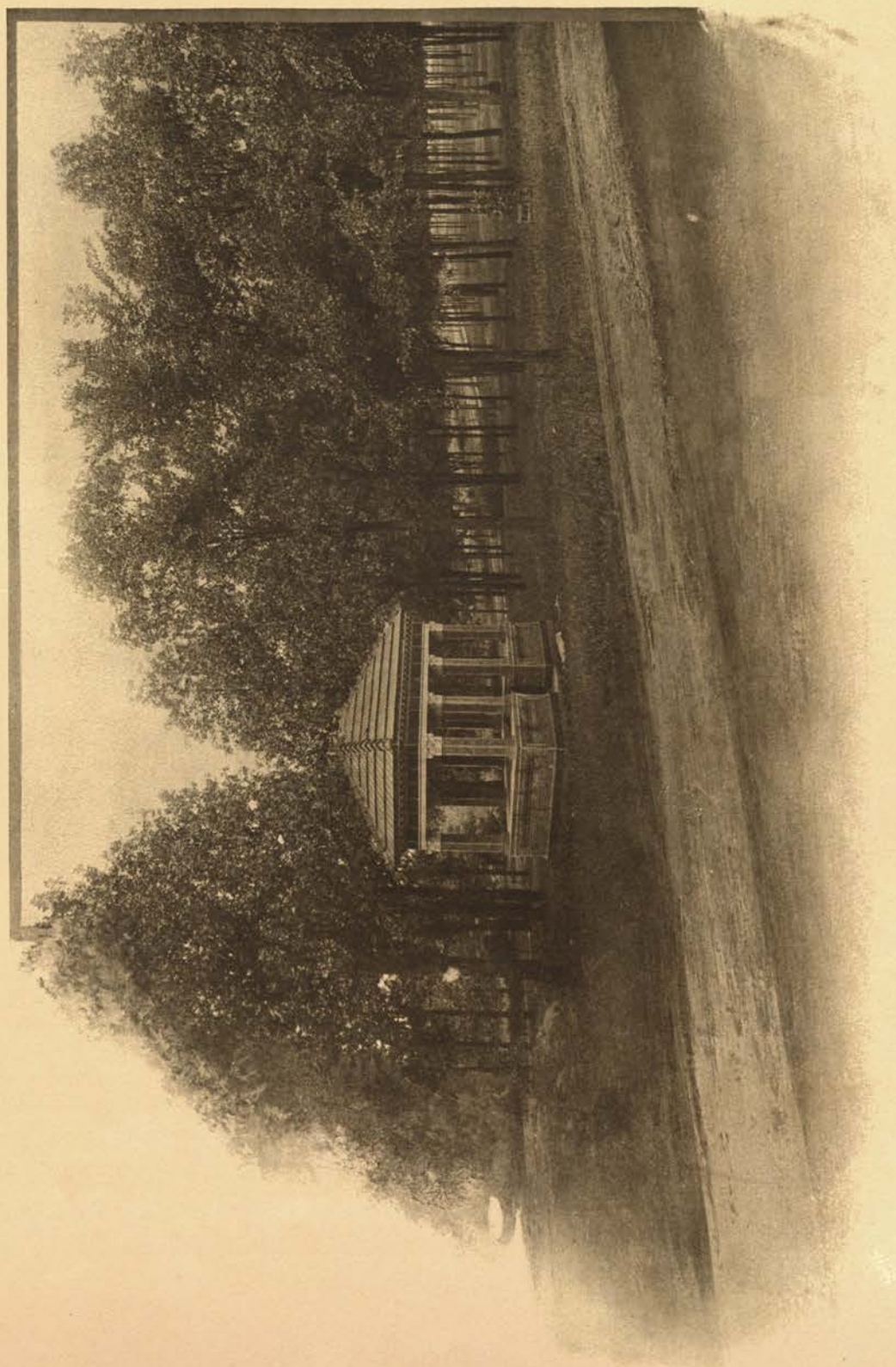
METALLURGY BUILDING.



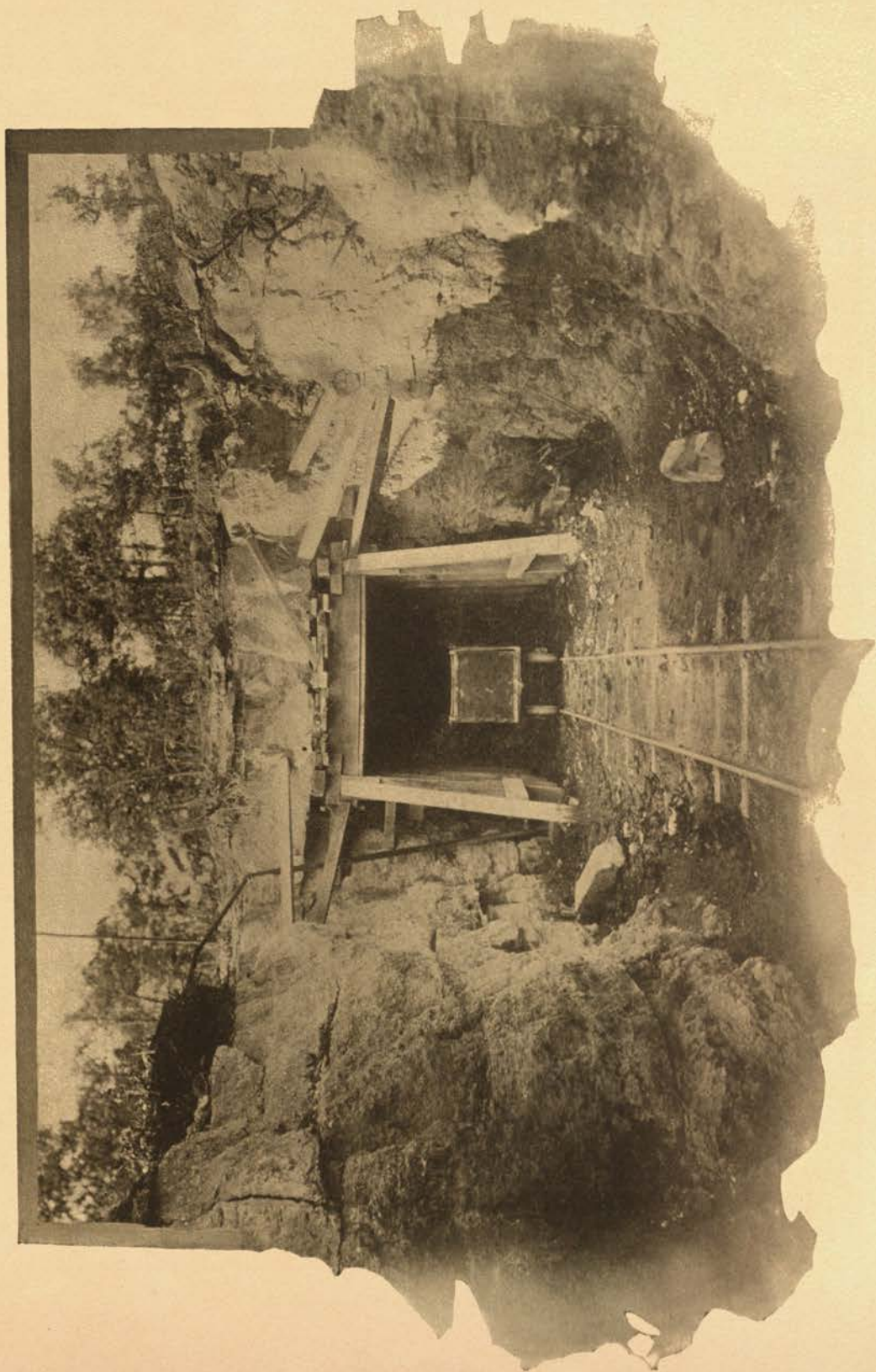
POWER PLANT AND STEAM LABORATORY.



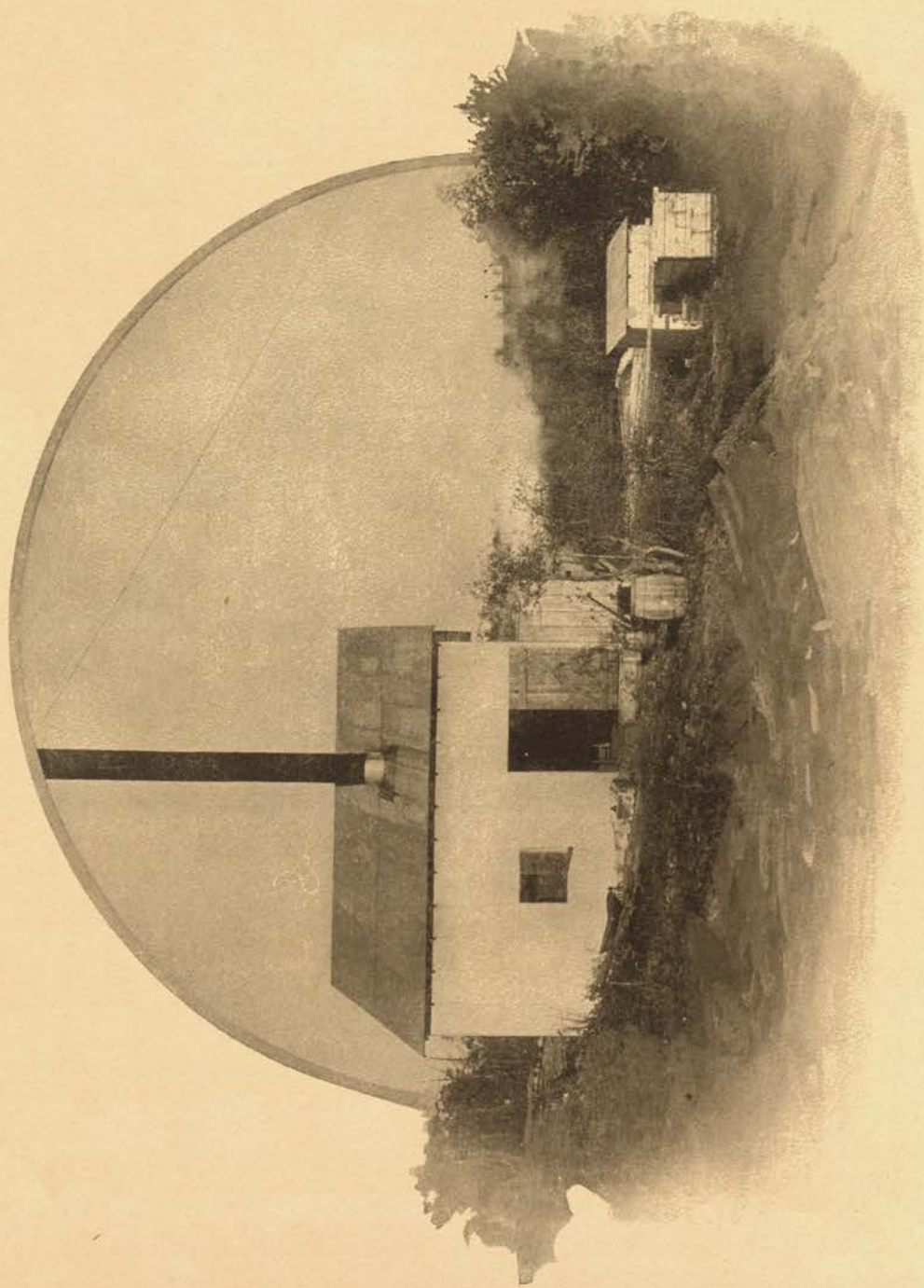
DIRECTOR'S RESIDENCE.



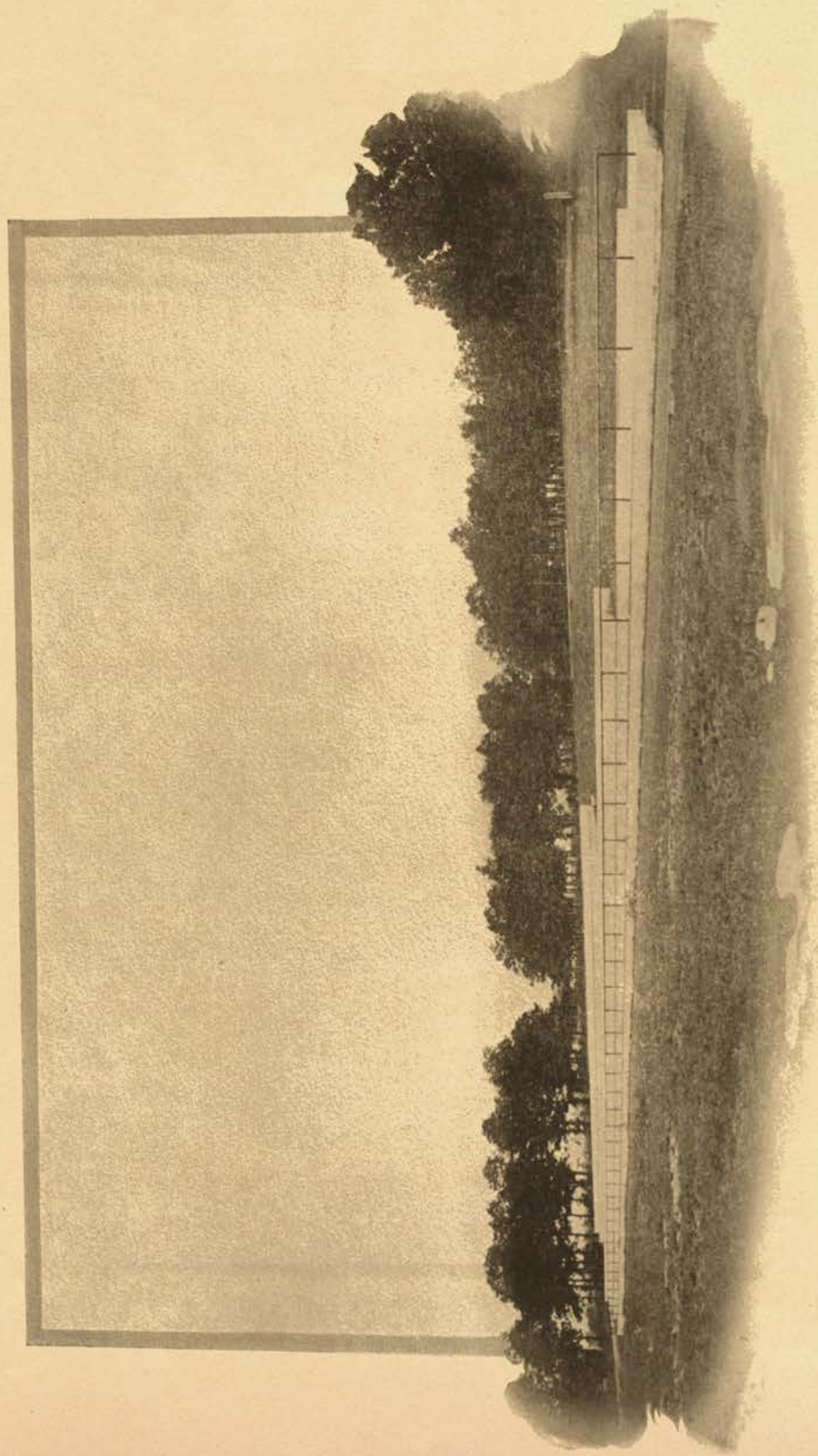
PAVILION AND GROVE.



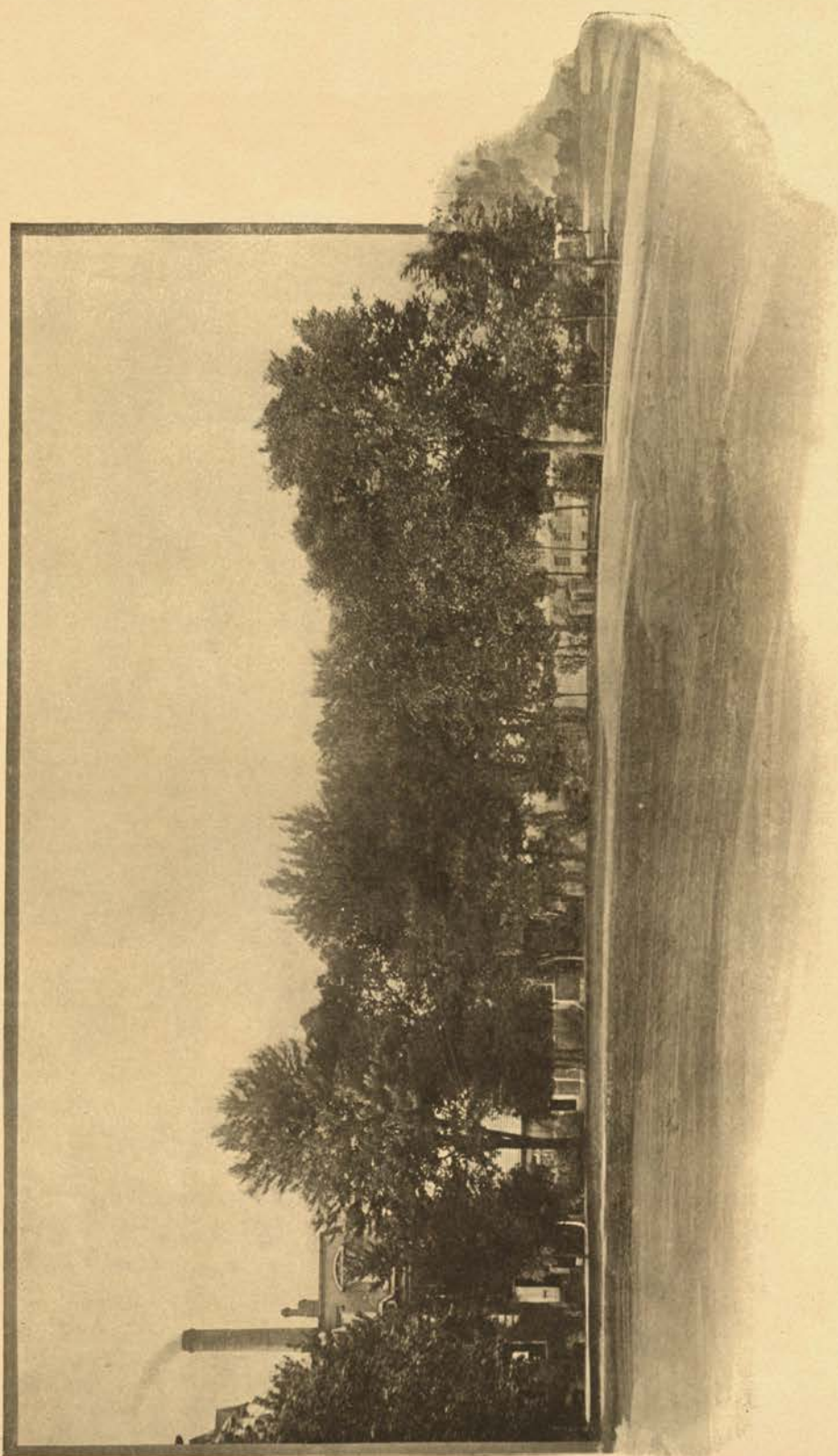
ENTRANCE TO TUNNEL.



POWER PLANT AT THE SCHOOL MINE.



JACKLING FIELD AND BLEACHERS.



CAMPUS VIEW.





Board of Curators

S. L. Baysinger.....	Rolla, Missouri
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A. D. Nortoni	Saint Louis, Missouri
J. C. Parrish.....	Vandalia, Missouri
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Sam Sparrow	Kansas City, Missouri
T. J. Wornall	Liberty, Missouri
C. E. Yeater	Sedalia, Missouri
G. L. Zwick	Saint Joseph, Missouri

The Executive Committee of the Missouri School of Mines

S. L. Baysinger.....	Chairman
G. L. Zwick	Vice-Chairman
C. M. Knapp	Treasurer
Edwin Kahlbaum.....	Secretary and Registrar
D. Copeland	Director
A. D. Nortoni	



ALBERT ROSS HILL, A. B., Ph. D., LL. D.
President of the University



DURWARD COPELAND, S. B.

Sigma Rho

Tau Beta Pi

DIRECTOR OF THE SCHOOL OF MINES.

Member American Institute of Mining Engineers.

S. B., Massachusetts Institute of Technology, 1903; Assistant to Professor Hofman and Instructor in Metallurgy, Massachusetts Institute of Technology, 1903-04; Instructor in Metallurgy and Ore Dressing, Michigan College of Mines, 1904-07; Professor of Metallurgy and Ore Dressing, Missouri School of Mines, 1907. On leave of absence 1913-14. Metallurgical Engineer Compania Estanijera de Hallaqua, Llallaqua, Bolivia and Santiago, Chile, 1913-15. Director of Missouri School of Mines and Metallurgy, 1915.

AUSTIN LEE McRAE, B.S., S.D.

Chi Phi Phi Beta Kappa Tau Beta Pi

PROFESSOR OF PHYSICS

Fellow American Association for the Advancement of Science; Member of Society for the Promotion of Engineering Education; Member Executive Council for Missouri of the National Economic League.

B.S., University of Georgia, 1881; S.D., Harvard University, 1886; U.S. Signal Service (Electrical Work) 1882-89; U.S. Signal Service (Missouri State Weather Service) and Assistant Professor of Physics, University of Missouri, 1889-91, Professor of Physics, Missouri School of Mines, 1891-94; Professor of Physics, University of Texas, 1894-96; Consulting Engineer, St. Louis, 1896-99; Professor of Physics, Missouri School of Mines, 1899.



GEORGE REGINALD DEAN, C.E., B.S.

Tau Beta Pi.

PROFESSOR OF MATHEMATICS

Associate Member American Institute of Electrical Engineers.

C.E., Missouri School of Mines, 1890; B.S., 1891; Assistant in Mathematics, 1890-91; Professor of Mathematics, Maryville Seminary, 1891-92; Professor of Mathematics, Coe College, Iowa, 1892-93; Assistant in Leander McCormick Observatory, University of Virginia, 1893-94; Teacher of Mathematics, Central High School, Kansas City, Missouri, 1894-97; Professor of Mathematics, Missouri School of Mines, 1897.



ELMO GOLIGHTLY HARRIS, C.E.

PROFESSOR OF CIVIL ENGINEERING

Member American Society of Civil Engineers; Author of "Compressed Air."

C.E., University of Virginia, 1882; Practicing Civil Engineer, 1882-91; Director of Missouri School of Mines, 1891-92; Professor of Civil Engineering Missouri School of Mines, 1891-1901; Associate Professor of Civil Engineering, University of Pennsylvania, 1901-03; Professor of Civil Engineering, Missouri School of Mines, 1903.

VICTOR HUGO GOTTSCHALK, B.S., M.S.

Tau Beta Pi

PROFESSOR OF CHEMISTRY

Fellow American Association for the Advancement of Science; Member American Chemical Society; Member Saint Louis Chemical Society.

B.S., Missouri School of Mines, 1898; Assistant U. S. Assayer, Kansas City, Missouri, 1898-99; Assistant in Chemical Department, Marion-Sims Medical College, 1899; Assistant in Chemistry, Missouri School of Mines, 1899-1900; M.S., Missouri School of Mines, 1900; Instructor in Chemistry, 1901; Student University of Chicago, 1901; Cornell University, 1901-02; Professor of Chemistry, Missouri School of Mines, 1902.



GUY HENRY COX, B.S., M.A., E.M., Ph.D.

Alpha Chi Sigma

Tau Beta Pi

PROFESSOR OF GEOLOGY AND MINERALOGY

Member of California Mining Association.
Member American Institute of Mining Engineers.

B.S., Northwestern University, 1905; M.A., University of Wisconsin, 1908; Graduate Student, School of Mines, University of California, 1905-06; Fellow in Geology, University of Wisconsin, 1907-08; Ph.D., University of Wisconsin, 1911; E.M., Missouri School of Mines, 1914; Instructor in Geology, University of California, 1908-09; Assistant Professor of Mineralogy and Petrography, Missouri School of Mines, 1909-11; Professor of Geology and Mineralogy, Missouri School of Mines, 1911.



CARROL RALPH FORBES, B.S., E.M.

Sigma Rho

Tau Beta Pi

PROFESSOR OF MINING

Member American Institute of Mining Engineers.

B.S., Michigan College of Mines, 1902; E. M., 1903; Assistant in Mechanical Engineering, Michigan College of Mines, 1901-02; Assistant in Mining Engineering, 1902-03; Engineer of Victoria Copper Mining Co., Rockland, Mich, 1903-06; Mining Engineer, Michigan Copper Mining Co., Rockland, Mich., 1906-07; Engineer, Nevada Smelting and Mines Corporation, Tonopah, Nevada, 1907; Assistant Superintendent, Nevada Douglas Copper Co., Yerington, Nevada, 1908; Graduate Student, Missouri School of Mines, 1908-09; Assistant Professor of Mining, Missouri School of Mines, 1909; Professor of Mining, Missouri School of Mines, 1912.





JOSEPH WAYNE BARLEY, A.B., A.M.,
Ph.D.

Sigma Nu

PROFESSOR OF ENGLISH AND MODERN
LANGUAGES

A.B., William Jewell College, 1897; Professor of English, Hardin College, 1900-02; Graduate Student, University of Chicago, 1902-03; A.M.; William Jewell College, 1905; Ph.D., University of Pennsylvania, 1911; Professor of English, Hardin College, 1911-12; Assistant Professor (in Charge) of English and Modern Languages, Missouri School of Mines, 1912; Associate Professor of English and Modern Languages, 1913.

LEON ELLIS GARRETT, B.S.

Tau Beta Pi

ASSOCIATE PROFESSOR OF MATHEMATICS

Member of Society for Promotion of Engineering Education.

B.S., Missouri School of Mines, 1901; Assistant in Mathematics, 1901-03; Instructor in Mathematics, Missouri School of Mines, 1903-06; Assistant Professor of Mathematics, Missouri School of Mines, 1906-11; Student University of Wisconsin, 1911-12; Assistant Professor of Mathematics, in charge of Mechanics, 1911; Associate Professor of Mathematics, 1912; Acting Director, Missouri School of Mines, 1913-14.



HORACE THARP MANN, E.M., M.S.
Pi Kappa Alpha *Tau Beta Pi*

ASSOCIATE PROFESSOR IN METALLURGY
 AND ORE DRESSING

B.S., in Mining Engineering, Missouri School of Mines, 1908; M.S., Missouri School of Mines, 1909; E.M., Missouri School of Mines, 1910; Instructor in Metallurgy, 1908; Assistant Professor in Metallurgy and Ore Dressing, 1913; Associate Professor Metallurgy and Ore Dressing, 1914.



JOSEPH HENRY BOWEN

ASSISTANT PROFESSOR OF SHOP WORK
 AND DRAWING

Student, Miller School, Va., 1890-95; Rhode Island School of Design, 1896-97; Machinist for Henry Blundell & Co., Providence, R. I., 1896-97; Machinist, 1897-98; Machinist and Inspector for Providence Engineering Works, Providence, R. I., 1898-99; Foreman, Brown & Sharpe Mfg. Co., 1899-1900; Designing Special Tools and Fixtures for Providence Engineering Works, 1900-02; Instructor in Shop Work and Drawing, Missouri School of Mines, 1902-06; Assistant Professor of Shop Work and Drawing, 1906.





CHARLES LAURENCE DAKE, B.A., M.A.

Acacia Phi Beta Kappa Sigma Xi
Gamma Alpha

ASSISTANT PROFESSOR OF GEOLOGY
AND MINERALOGY

Graduate State Normal School, River Falls, Wisconsin, 1907; B.A., in Geology, University of Wisconsin, 1911; A.M., in Geology, University of Wisconsin, 1912; Fellowship in Geology, University of Wisconsin, 1911-12; Assistant in Geology, Williams College, Williamstown, Massachusetts, 1912-13; Assistant Professor of Geology and Mineralogy, Missouri School of Mines, 1913.

EDGAR SCOTT McCANDLISS, B.S.

INSTRUCTOR IN CIVIL ENGINEERING

B.S., in C.E., Purdue University, 1909; Assistant Engineer, Chicago, Burlington and Quincy Railroad, 1909-11; Assistant in Civil Engineering, Purdue University, 1911-12; Instructor in Civil Engineering, Missouri School of Mines, 1912.



WILLIAM FENN DEMOSS, Ph.B., A.M.

Masonic Club, University of Chicago

INSTRUCTOR IN ENGLISH

Ph.B., University of Chicago, 1911; A.M., University of Chicago, 1912; Principal and Head of English Department of Decorah High School, Decorah, Iowa; Instructor in English, Missouri School of Mines, 1913.



GERALD THOMAS WILKINSON, B.A.,
A.M.

Phi Beta Kappa

INSTRUCTOR IN MODERN LANGUAGES

B.A., Wabash College, 1911; A.M., Harvard University, 1912; Instructor in French, Wabash College, 1910-11; Assistant in English Composition, Wabash College, 1909-11; Instructor in Modern Languages, Missouri School of Mines, 1913.



MARTIN HARMON THORNBERRY, B.S.

INSTRUCTOR IN MATHEMATICS;
STATION ASSISTANT, MINING EXPERIMENT
STATION

Graduate Springfield Normal School, 1906;
Superintendent Stella Academy, Stella, Mo.,
1909-11; Assistant in Chemistry, Missouri
School of Mines, 1911-12; B.S., Missouri
School of Mines, 1912; Station Assistant,
Mining Experiment Station, 1912; Instructor
in Mathematics, Missouri School of Mines,
1913; Graduate Student, Missouri School of
Mines, 1913.

CHARLES YANCEY CLAYTON, B.S.

Kappa Alpha

Tau Beta Pi

INSTRUCTOR IN METALLURGY

B.S., in Metallurgy, Missouri School of
Mines, 1913; Instructor in Metallurgy, Mis-
souri School of Mines, 1913; Graduate Stu-
dent, Missouri School of Mines, 1913-14.



JOHN CHARAVELLE INGRAM, B.S.

Theta Xi

Tau Beta Pi

INSTRUCTOR IN CHEMISTRY

B.S., Missouri School of Mines, 1913; Assistant in Chemistry, Missouri School of Mines, 1912-13; Assistant Engineer, Public Service Commission of St. Louis, 1909-11; Chemist, Missouri State Geological Survey, 1913; Instructor in Chemistry, Missouri School of Mines, 1913.



DONALD HEWSON RADCLIFFE, B.S.

Pi Kappa Alpha

INSTRUCTOR IN GEOLOGY AND
MINERALOGY

Member American Institute of Mining Engineers.

B.S., Missouri School of Mines, 1913; Assistant in Mineralogy, 1911-13; Instructor in Mineralogy and Lithology, 1913.



R. E. DUFFY, B.S.

Tau Beta Pi

INSTRUCTOR IN DRAWING AND
DESCRIPTIVE GEOMETRY

B.S., in Electrical Engineering, University of Missouri, 1908; Assistant Instructor, 1908-09; Illinois Traction System, 1909; Electrical Construction, 1910-12; Oro Electric Corporation, Electrical Construction and Irrigation, California, 1912-14; Instructor in Drawing and Descriptive Geometry, Missouri School of Mines, 1914.



WILLIAM HARRY RISHER, B.S.

INSTRUCTOR IN CIVIL ENGINEERING

B.S., in Civil Engineering, Purdue University, 1912; Engineer, Coal Bluff Mining Company, 1908-10; Assistant Instructor in Civil Engineering, Purdue University, 1912-14; Assistant Engineer, Indiana Hood Commission, 1914; Instructor in Civil Engineering, Missouri School of Mines, 1914.

F. H. FRAME

INSTRUCTOR IN PHYSICS

Clark College, Worcester, Mass., 1912; Graduate Work and Assistant in Physics, Wesleyan University, 1912-13; General Electric Company, Laboratory, Pittsfield, Mass., 1913-14; Instructor, Missouri School of Mines, 1914.



JOSIAH BRIDGE, A.B.

INSTRUCTOR IN MINERALOGY AND
GEOLOGY

A.B., University of Cincinnati, 1913; Assistant in Geology, University of Cincinnati, 1913-14; Instructor in Mineralogy and Geology, Missouri School of Mines, 1914.



ORIAN DEXTER NEAL, A.B., B.S.

Alpha Chi Sigma

ASSISTANT IN CHEMISTRY

A.B., Indiana University, 1913; B.S., Missouri School of Mines, 1914; Graduate Student, Missouri School of Mines, 1914-15; Assistant in Chemistry, 1913-14-15.

JESSE CUNNINGHAM, A.B., B.L.S.

Delta Tau Delta

LIBRARIAN

Member of the American Library Association; Missouri State Library Association (President, 1914); Special Libraries Association.

Library Assistant, Indiana University, 1901-05; Reference Assistant, University of Nebraska, 1905-06; Law Librarian, University of Nebraska, 1906-07; Assistant in the Law Department, New York State Library, 1908-09; Municipal Reference Librarian, St. Louis Public Library, 1911-12; Librarian, Missouri School of Mines, 1912.



THOMAS KELLY, B.S.

DIRECTOR OF ATHLETICS

B.S., Chicago University, 1910; Assistant Coach, Chicago University, 1910; Athletic Director Muhlenburg College, Allenton, Pennsylvania, 1911-13; Athletic Director, Missouri School of Mines, 1914-15.



WILLIAM H. SAUNDERS, LL.B.

Phi Delta Theta Theta Nu Epsilon T.K.

ASSISTANT IN ATHLETICS

Graduate Law School, Missouri University, 1911; Athletic Director, William Jewell College, Liberty, Missouri, 1912-13; Assistant Coach, Missouri School of Mines, 1914.



EDWIN KAHLBAUM
Registrar



ROBERT R. DICKERSON
Superintendent of Buildings
and Grounds

Student Assistants

B. W. ADAMS
Assistant in Physics
B. L. ASHDOWN
Assistant in Surveying
D. W. BLAYLOCK
Assistant in Surveying
J. H. BOCK
Assistant in Shop Practice
L. M. CUMMINGS
Assistant in Mining
A. T. DUNHAM
Assistant in Shop Practice
W. GAMMETER
Assistant in Mechanical Drawing
K. I. GANNON
Assistant in Surveying
FRED GROTT'S
Assistant in Chemistry
G. E. JOHNSON
Assistant in Chemistry
J. J. SHIPLEY
Assistant in Descriptive Geometry
J. W. SHOTWELL
Assistant in Mineralogy
J. S. WOOD, JR.
Assistant in Shop Practice



Chas. J. Stetson



WM. ELLIOTT.
CLASS PRESIDENT

The Senior Class

Some people think our class good; some think it poor, and some few haven't expressed an opinion. Whatever our reputation may be, we are proud of our record of things accomplished, and are glad that we are the Class of 1915. Four years we have labored; we have striven to hold our place in the ranks of the school; we have tried to shoulder our part of school activities; we have tried to be loyal to the duties of school work and responsive to every call of school spirit. At the end we hope to have filled, in a creditable way, the places from freshman to senior, which were ours by rights of succession; and in passing we hope to have added something to the advancement of the standards of M. S. M.

It was a prodigious task to take the class of green freshmen, miscellaneous in composition and uncertain in abilities, and turn it into men worthy to go out into the world and call themselves finished Miners. The classes above us showed us things; wallowed us in the mud and stuck green caps on us; mixed it with us in foot ball, base ball and basket ball, and passed us the hearty hand of Miner fellowship. The lower classes demanded a similar welcome from us, developing in us the initiative and a sense of responsibility. The Profs. hammered hard, early and late and between times. They lectured to us, quizzed us, jumped on us, praised us, flunked us and passed us.

The school has done its part unquestionably well. It remains to be seen how well we shall acquit ourselves in justification of all this careful preparation. As each succeeding class passes on to make room for the next, so the men of our profession are stepping out, and, realizing our opportunities and responsibilities and having been trained at M. S. M., we expect to step up and make good. Along with the classes that have gone before and those that will come after, the Class of 1915 hopes to be a lasting tribute to the worth of our Alma Mater.

SENIOR CLASS OFFICERS

President.....Wm. Elliott
Vice President.....T. P. McCague
Secretary and Treasurer.....D. W. Blaylock

STUDENT COUNCIL REPRESENTATIVES

John R. Maher
Greene Erskine
Ernest H. Ruebel
Homer M. Wilson, President



WILLARD MILES BENHAM

Cobden, Illinois

Mining Engineering

Tau Beta Pi

Vice-President Missouri Mining Association, 3

President Missouri Mining Association, 4

Student Assistant in Surveying, 3

St. Pat's Committee, 3

Athletic Association

Fussing and being a Tau Beta Pi nearly ruined "Bill"; but this year he bravely pulled out and started the Mining Association. If he does as well with everything else he undertakes he will outshine "Jackling."

DANIEL WEBSTER BLAYLOCK

Flatriver, Missouri

Mining Engineering

Treasurer Y. M. C. A. 1907

President Y. M. C. A. 1907-08

Treasurer Missouri Mining Association

Treasurer Trowel Club, 3

Treasurer Junior Class, 3

Treasurer and Secretary Senior Class, 4

President Trowel Club, 4

President Athletic Association, 4

Treasurer St. Pat's Committee, 3

Grubstakers

"Dannie" was very sick last fall and this handicapped him greatly in his work this year. His willingness and careful efforts are appreciated by everyone, and he will certainly make good.





WALLACE HALEY BOYLE

Centralia, Missouri

Mining Engineering
Missouri Mining Association
Athletic Association
Bonanza

Boyle is famous for relating experiences from the Michigan Copper District. He is also famous for his connection with the Phelps County Political Campaigns, where his soft music has won many a native to the "Right Cause."

JOSEPH BRYANT COLE

Joplin, Missouri

General Science

Grubstakers

Quo Vadis

Vice-President A. A., 3

Rollamo Board, 3

Mining Association

M. Foot Ball, 2-3

Captain Track Team, 3

M. Track, 2-3

Business Manager Athletic Association, 4

Student Assistant in Machine Shop

Triangle Club

Chairman St. Pat's Committee

"Joe" hails from Joplin and naturally finds little else so interesting to talk about. His connection with school activities have made both friends and foes for him. He is a stalwart fighter if he thinks he is in the right, and generally he is.





LISTER MERRIKEN CUMMINGS

Rolla, Missouri

Mining Engineering

Student Assistant in Mining

Secretary of Athletic Association

"Lister" is famous for his congeniality and good will, as well as the familiar expression, "Old Side Partner." Belongs to the married men's club. Likes to quizz Cox on his knowledge of economics by asking him fool questions.

EDWARD V. DAMOTTE

Rolla, Missouri

Civil Engineering

Civil Engineering Society

Athletic Association

"Ed" is an authority on "War News" and his lectures on the subject usually draw a crowd. His chief diversion is taking subjects under Professor Harris.





WILLIAM ELLIOTT

St. James, Missouri

Mining Engineering

Tau Beta Pi

Class President, 4

Rollamo Board, 4

Missouri Mining Association

Athletic Association

"Bill" has always been a hard student and this has caused his acquaintances to be somewhat limited. To those who know him well his ability and willingness are well known.

GREENE ERSKINE

Saint Louis, Missouri

General Science

Missouri Mining Association

Student Council, 4

Athletic Association

Triangle Club

St. Pat's Committee, 3

Grubstakers

"Green" hails from St. Louis. Attended Washington University for some time before coming here. Still makes repeated visits to the "Big City," but will not admit that there is "a lady in the case."





WALTER GAMMETER

Saint Louis, Missouri

Mining Engineering

Tau Beta Pi

Triangle Club

Rollamo, 4

Student Assistant in Drawing, 1-2-3-4

Student Council, 3

St. Pat's Committee, 3

Mining Association

Athletic Association

"Gam" has been the terror to Freshmen and "lord" of the Drawing Room for a long time. He can mark up a "perfect drawing" nearly as well as Buerstatte could.

ROY WATSON GRIFFIN

Cleveland, Ohio

Mining Engineering

Pi Kappa Alpha

St. Pat's Committee, 3

Athletic Association

"Roy" is best known for the congenial way he has in saying "Gi' me." Has recently undertaken the selling of real "technical" magazines which we are sure to get cheaper from him than anyone else.





ABE LEW KAPLAN

Saint Louis, Missouri

General Science
Missouri Mining Association
Athletic Association
President Chess Club

"Jinx" has been popular ever since he has been with us. One of his chief ambitions is to beat Mayor Long at chess, and he has done it, too. Very fond of discussing religion and chemistry.

EDWIN ALEXANDER KAYSER

Saint Louis, Missouri

General Science
Sigma Nu
Missouri Mining Association
Athletic Association

"Kayser" is well known for his ability to attempt the explanation of any scientific subject according to his own theories. These seldom seem to impress the Professor, and cause him no end of trouble trying to modify them so that they will be agreeable to all.





OCTAVIUS LOUIS LUMAGHI

Saint Louis, Missouri

Ph.B., Yale University, 1914

Mining Engineering

Missouri Mining Association

Athletic Association

"Lumaghi" is most famous for his general association with Kayser and the expression "Say Guy." Has propounded a new method for the electrical propulsion of ocean vessels by generating the electricity on land.

LEO DANIEL LYONS

Springfield, Missouri

Mining Engineering

"M" Baseball, 1-2

Missouri Mining Association

Athletic Association

Grubstakers

"Leo" is the real "fusser" in the class, and outclasses anyone else that we know in his ability to get acquainted. We always wonder who it will be next. Does not like to discuss his friends although the reverse is done frequently.





JOHN RALPH MAHER

Rolla, Missouri

Civil Engineering

Quo Vadis

Rollamo Board, 4

Student Council, 2-3-4

St. Pat's Committee, 3

Basket Ball Captain, 4

"M" Basket Ball, 1-2-4

"M" Track, 3

Athletic Association

Civil Engineering Society

"Red" has become famous for his unfailing loyalty to Basket Ball and Track. Dislikes very much to be referred to as "Freshman Advisor."

THOMAS PURCELL McCAGUE

Medicine Lodge, Kansas

Civil Engineering

Triangle Club

St. Pat's Committee, 3

Student Council, 3

Vice-President Senior Class

Athletic Association

Grubstakers

"Mac" was a fine vocalist in his freshman days and was always willing to sing "Prairie Queen." He has caused the Faculty some anxious moments, but is usually in the right. Says he is married. No wonder he is so downcast and gloomy.





ERNEST H. RUEBEL, JR.

Saint Louis, Missouri

Chemistry and Metallurgy

Grubstakers

Mining Association

Rollamo Board, 4

Student Council, 4

St. Pat's Committee, 3

Class Vice-President, 3

"Rube" was adopted by "Mac" this year and by so doing nearly ruined his previous good reputation. Very fond of wearing soft shirts and talking about St. Louis.

EDWARD ALBRECHT SCHROER

Clayton, Missouri

Mining Engineering

Missouri Mining Association

Athletic Association

Grubstakers

"Carp" is famous for his football playing against the Iberia team. Likes Salem Avenue and has recently taken a great fancy to go to church Sunday evenings. Likes to discuss the war situation with Damotte.





JOHN WARDEN SHOTWELL, JR.

Chihuahua, Mexico

Pi Kappa Alpha

Athletic Association

Missouri Mining Association

St. Pat's Committee, 3

Student Assistant Mineralogy, 3-4

Chess Club

"Billy" is best known for his strong determination and his willingness to help along a good thing. Has been associated with many class activities and won many friends through this.

ALBERT LEO TRENT

Rolla, Missouri

Metallurgy

Pi Kappa Alpha

"M" in Basket Ball, 1-2

Missouri Mining Association

Athletic Association

Athletic Association Banquet Committee, 3

"Pete" likes to talk about "back east" and especially about Johnstown, his native "Burg." Has helped the basket ball team a great deal in his freshman and sophomore years, but now finds it more important to go "fussing."





W. W. WEISSBACH
 Saint Louis, Missouri
 Mining Engineering
 Ohio State University
 Missouri Mining Association
 Athletic Association
 Corsair Club

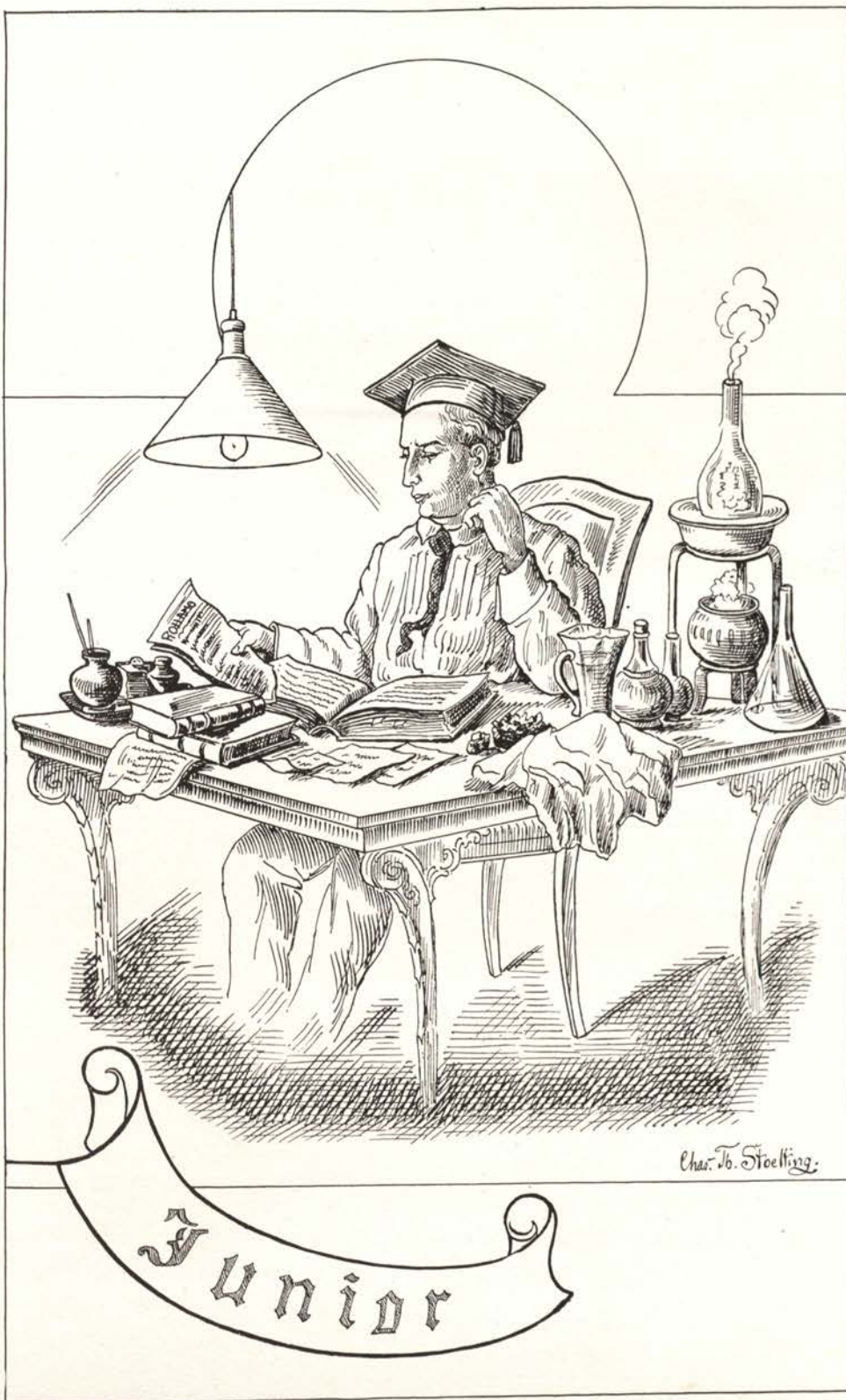
"Mephisto" has only been with us a short time, but his quiet and pleasant smile has made him many friends. Likes to relate experiences in "Death Valley."

HOMER MARVIN WILSON

Rolla, Missouri
 Mining Engineering
Pi Kappa Alpha
 St. Pat's Committee, 3
 Student Council, 4
 Rollamo, 4
 Student Assistant in Shop Practice, 2-3
 Missouri Mining Association
 Athletic Association

"Tex" is famous for his deer (?) stories, and a general discussion of "hunting in Texas." Likes to go to the "Big City" and always manages to bring home some interesting stories.







FRED GROTT'S
PRESIDENT

Junior Class History

When M. S. M. opened the portals for the school year of 1915-16, a crowd of noisy fellows were seen at the corner of 8th and Pine, making considerable unnecessary noise. The natives of Rolla scratched their heads as if reminded of some events several years back. Finally one old gray-whiskered gentleman slapped his "pal" on the back. He had solved the mystery; it was that class of 1916 back for another year's achievements.

They recalled how in September, 1912, the class of 1916 started M. S. M. on the road to glory by an enrollment of the largest in the history of the school. This was only a starter. The gridiron heroes drafted from that same class, have won laurels for M. S. M. for three seasons. Their pictures are in the

"Football Hall of Fame" beside the record of this season of 1914.

The football field is not the only place the present Junior class has made records. In the form of entertainment for the class we reached what seemed to be the zenith of perfection the first year, but each succeeding year a higher standard has been reached. With "Bill" Painter as guest of honor the first year, and (we have forgotten the names of the "guests of honor" the Sophomore and Junior years), the class of 1916 has made history that will stand as a "Rock of Ages" and an indestructible monument for many years to come.

For the ordinary class, this would seem more than enough, but there is one school event in which the class of 1916 has shown their sterling value. This is St. Pat's Day celebration.

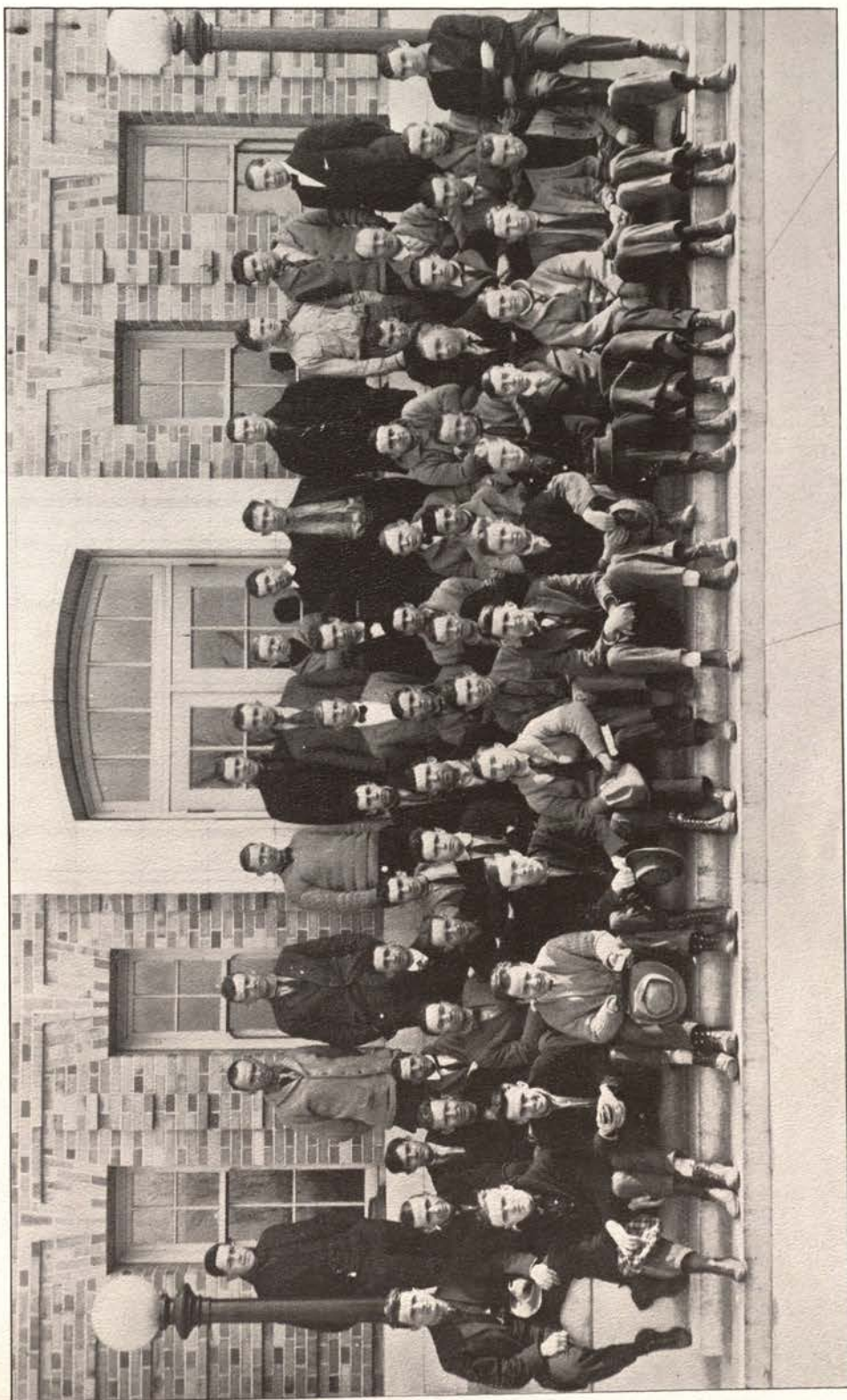
On the morning of March 17th, 1913, the natives of Rolla were aroused from their peaceful slumbers by the loud laughter caused by the "original" floats of the Freshmen. Next year improvements were made, and this year, the celebration conducted by the class itself, far eclipsed all other attempts. A volume could be written on this event alone.

After reading over the above short sketch of the achievements of the Class of 1916 will anyone deny a bright future for everyone of that Class? When the future generation enters M. S. M. they will look with pride upon the history of the Class of 1916 and say "my 'pap' was a member of that Class."

Juniors

Adams, Bernard.....	Hamilton, Mo.
Allen, James John.....	St. Louis, Mo.
Ashdown, Byron L.....	St. Louis, Mo.
Bennett, Roy L.....	Raton, N. Mex.
Beyer, Emil.....	St. Louis, Mo.
Burg, Robert Stanley.....	Rolla, Mo.
Casanovas, Juan R.....	Baracoa, Cuba.
Chapman, Howard Alonzo.....	Rolla, Mo.
Craig, Robert.....	Osage City, Kans.
Dean, Reginald Scott.....	Rolla, Mo.
Deutman, Earl George.....	Rolla, Mo.
Dowd, James Joseph.....	St. Louis, Mo.
Doyle, John J.....	St. Louis, Mo.
Dunham, Azman Thurman.....	Rolla, Mo.
Ehlers, Louis Wilmer.....	Baltimore, Md.
Erskine, Lucien.....	St. Louis, Mo.
Fairchild, Donald H.....	Paxton, Ill.
Galbraith, John G.....	Joplin, Mo.
Galloway, Ralph Arthur.....	Hutchinson, Kans.
Gannon, Kenrick Irving.....	St. Louis, Mo.
Gold, Charles.....	St. Louis, Mo.
Grotts, Fred.....	Rolla, Mo.
Hanrahan, James.....	Rolla, Mo.
Hayden, Roy W., Jr.....	Urich, Mo.
Head, James Lawrence.....	Moberly, Mo.
Heimberger, Harry Tobias.....	Rolla, Mo.
Heman, Fred.....	Fort Dodge, Iowa.
Hoffman, John Stone.....	Leon, Iowa.
Hoover, Louis McLin.....	Rochester, Ind.
Hoppock, Louis N.....	Lebanon, Mo.
James, Floyd Dixie.....	Rolla, Mo.

Johnson, Gunnard Edward.....	Rolla, Mo.
Jones, Earl Ambrose.....	Rolla, Mo.
Kamp, William Henry.....	St. Louis, Mo.
Kiskaddon, William Walter.....	Rolla, Mo.
Klepel, Yaro.....	St. Louis, Mo.
Kline, Harry Daniel.....	Rolla, Mo.
Koch, Hugo Edward.....	Creve Couer, Mo.
Krebs, Joseph J.....	Lake Charles, La.
Lawrence, Nathaniel Morris.....	St. Louis, Mo.
Lyons, Leo Daniel.....	Springfield, Mo.
Miller, John Charles.....	St. Louis, Mo.
Miller, Elton Arthur.....	Rolla, Mo.
Mit, Otto Robert.....	Joplin, Mo.
Mize, Charles R.....	Webb City, Mo.
Morgan, Don Hawk.....	St. Louis, Mo.
Mountjoy, Richard LeRoy.....	Webb City, Mo.
McCartney, William Henry, Jr.....	Webster Grove, Mo.
McNely, Earl J.....	Alton, Ill.
Neustaedter, Harold Arthur.....	Jersey City, N. J.
Peterson, Clarence Eugene.....	Schenectady, N. Y.
Sailer, Edward Louis.....	Rolla, Mo.
Scheurer, Leroy Robert.....	Rolla, Mo.
Schuman, John.....	Rolla, Mo.
Skidmore, Myron.....	Carlyle, Ill.
Smith, Virgil X.....	Rolla, Mo.
Stifel, Carl Gotfried.....	St. Louis, Mo.
Tompkins, Edwin See.....	Rolla, Mo.
Turnbull, Louis Alan.....	Kirkwood, Mo.
Ude, George Edgar.....	St. Louis, Mo.
Vogel, Herman.....	St. Louis, Mo.
Weiberg, Earl Bardette.....	Springfield, Ill.
Wenner, Paul H.....	Bartlesville, Okla.
Worley, James Alexander, Jr.....	San Antonio, Tex.









NORTON E. RITTER
PRESIDENT

History of the Sophomore Class

Sophomores of the Class of 1917, who knows what hope of renown, what desire of fortune, what trick of fate gathered our seventy odd members from all the confines of our country, and some other countries, one bright September morn of 1913?

Do you remember that delightful first week of school when we sneaked over to the Rolla building for English recitations rather than ask some supercilious upper-classman for room 300?

Do you still cherish in memory our class-fight, our scarce deserved defeats in football and basketball, our work and play together that made us sophomores less keenly appreciative of our own merits and more respectful to our classmates and our school?

This year we have another story. The privilege of bestowing the eternal legacy of punitive instruction on the freshmen was ours. Do you still keep that startling yellow sheet which heralded the freshman's fate

side by side with the lurid green reply that they so considerably refrained from posting? Do you chuckle over the joy they will have next year in the recollection of those nightly pajama parades to Frisco Pond, and in their antics on drizzly nights in Pine Street? Fancy yourself now on the campus, rope in hand, swinging down to that immortal twenty-five minutes battle that was so signal a victory for us, tho the odds were 63 to 54; and recall how grateful were the freshmen when the faculty advised the use of shingles to replace the barrel staves that should have chastened their over-haughty dispositions.

But we have our consolations. There was Joe Wilson, "Hobbs" Houston, Kline, Steele and White, heroes of the greatest football team Missouri ever saw. Nor can we forget those two prize rooters for that team, Tate and Robards, who braved the Ozark Hills on bicycle all the way to Columbia to see the Miners win. In justice also to the freshmen let us admit that their smoker after the Missouri game showed a heart in the right place.

And then how proud we were of those fifteen or so athletes, who subdued the freshmen so completely on the gridiron by a score that should have been thrice as high!

We have our lesser heroes too in basketball, Blair, Nevin, Kluge, Burkhart, Wilson, Ritter and Greenburg. All have acquitted themselves in the past as we expect of them in the future.

With all this, we still have many who have not shown unworthily on our college records; and while they modestly withhold their names, they are with us still to make our school a better name and themselves a better fortune.

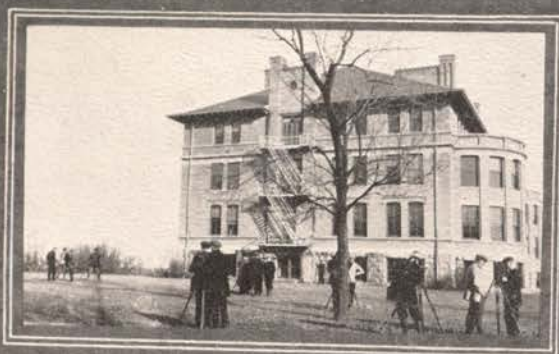
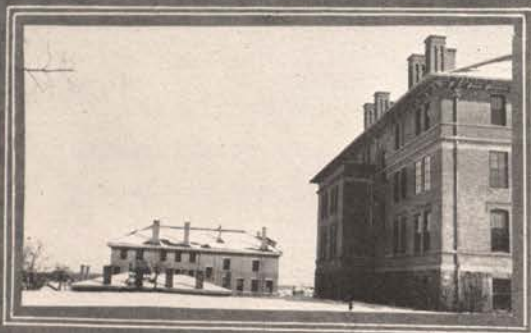
May our achievements hereafter do credit to our spirit heretofore and these recollections of college days at M. S. M., be our solace after a useful and fruitful career in our chosen professions.

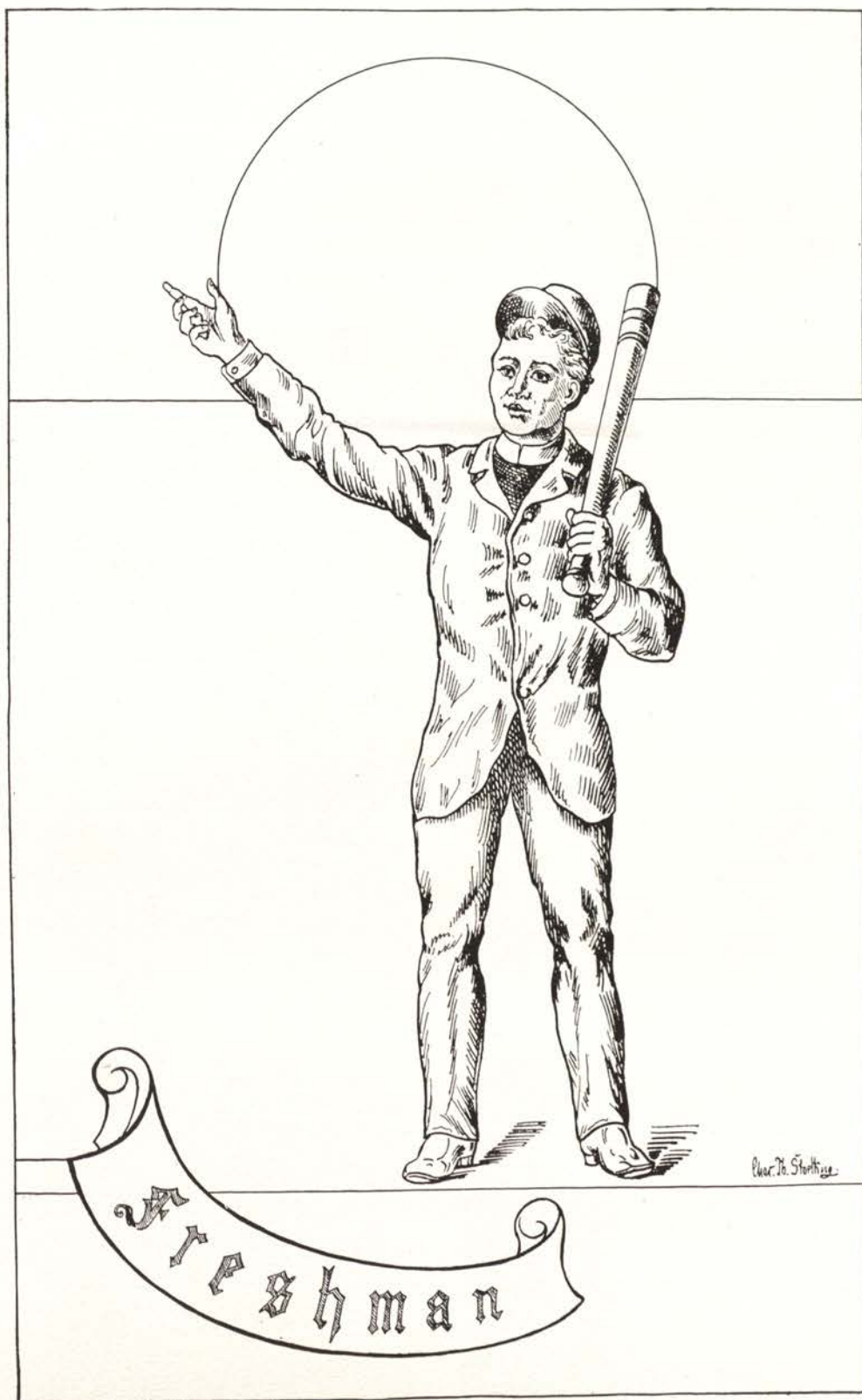
Sophomores

Aid, Kenneth	Gallatin, Mo.
Ambler, Harry Atwood	St. Louis, Mo.
Barker, Lyle Maxon	Chamberlain, S. Dak.
Barton, Joe	Montgomery City, Mo.
Bayha, Wilson Varley	St. Louis, Mo.
Blair, Albert Watson	Rolla, Mo.
Bock, James Henry	Rolla, Mo.
Bowles, Martin Frady	Neodesha, Mo.
Brown, John Stafford	Milford, Mo.
Burkhart, Edgar Carl	Macon, Mo.
Canavan, Thomas Jefferson	E. St. Louis, Mo.
Cooper, Richard	St. Louis, Mo.
Cowen, Warden Henry	Beardstown, Ill.
Craig, Jack Throckmartin	Dallas, Tex.
Couch, James Roscoe	Parkville, Mo.
Dale, Ralph	Herrin, Ill.
Dolman, Phillip Brooks	St. Joseph, Mo.
Ebmeyer, Gerard E.	Lincoln, Nebr.
Elfred, Fred Stillman, Jr.	St. Joseph, Mo.
Evans, James Herschel	Rolla, Mo.
Freudenberg, Walter Harry	St. Louis, Mo.
Gerber, Theodorce	Washington, D. C.
Greenberg, David	Kirkwood, Mo.
Hampsch, Oswald Harold	Henderson, Ky.
Heavner, Alonzo Wescott	Humansville, Mo.
Heimberger, Karl William	Rolla, Mo.
Henschel, Ramsey Coleman	Kansas City, Mo.
Hippard, Clemence William	Belleville, Ill.
Houston, H. J.	Newburg, Mo.
Huff, Charles Mayfield	Irononton, Mo.
Kahlbaum, William	Rolla, Mo.
Kaplin, Louis	St. Louis, Mo.
Keeling, Orval	Rolla, Mo.
Klein, Carl	Farmington, Mo.
Kluge, Harry Albert	Collinsville, Ill.
Kublin, George H.	St. Louis, Mo.

Langdon, Albert Jewett, Jr.	Ironton, Mo.
Lesniak, Stanislaw W.	Rolla, Mo.
Lillingston, Howard Emerson	Webster Grove, Mo.
Lucky, M. C.	Cassville, Mo.
Lyons, Joe Newlin	Robinson, Ill.
Lyons, Robert	Springfield, Mo.
Martin, Thomas Herbert	Pocahontas, Ark.
Meador, Carlos Delmar	Rolla, Mo.
McComb, W. R.	St. James, Mo.
Nevin, James Raymond	Ottumwa, Iowa.
Pape, Paul Frederick	Cape Girardeau, Mo.
Powell, William Clark	Rolla, Mo.
Pugh, James Willard	Kansas City, Mo.
Raible, Joseph Christopher, Jr.	Hannibal, Mo.
Reilly, John Gay	St. Louis, Mo.
Rice, Hugh Prentice	Rolla, Mo.
Ritter, Norton Elijah	Joplin, Mo.
Robards, Robert Russell	Miami, Okla.
Rossman, Kenneth Van Bergen	St. Louis, Mo.
Scanlan, Frank Daily	Newburg, Mo.
Schiermeyer, Harry John	St. Louis, Mo.
Shaw, William Allen	St. Louis, Mo.
Shayes, Fred P.	Rolla, Mo.
Shipley, John Joshua	Kansas City, Mo.
Shotwell, Phillip Bassett	St. Louis, Mo.
Shriver, Roy Otto	Newton, Kans.
Steel, Oliver W.	Dallas, Tex.
Sides, Harry John	Webb City, Mo.
Tate, Benjamin Edward	St. Louis, Mo.
Teas, Howard Jones	Freeport, N. Y.
Velasco, R. E.	Rolla, Mo.
Walsh, Thomas Patrick Francis	St. Joseph, Mo.
Walsh, John Kennedy	St. Louis, Mo.
Weeks, A. L.	Krenzville, Ill.
White, Kenrick	Rolla, Mo.
Wilson, Joseph Griswald	St. Louis, Mo.
Wilson, George Baldwin	Mountain Grove, Mo.
Wood, John Skinner	Springfield, Mo.
Young, John Toomer	Rolla, Mo.









V. W. BALDERSON
PRESIDENT

Freshman Class History

The best class in the school. That's us! Of course, we bestowed this title on ourselves and many others doubt its truth. However, that's a small item. We don't have to prove our claim to their appellation—we admit it.

Rather fair weather we had when we were introduced to the Sophomores, and they certainly thought they had us going south. But we had a few "fussers" who kept late hours. On the whole, we did get "ruffed" a little—a few at a time. One night they caught us tying up some "sophs" and then nothing within the realm of their narrow minds was too bad for us. After a hearty struggle we were laid low and tossed up like fowls in the butcher's shamble. Some of us were requested to sing, and bay at the moon; others were invited to climb trees, while many had to appear before an audience of well-meaning and innocent natives at the village airdome and render popular airs and ballads. A few exceptionally feeble minded

"Sophs" suggested "Frisco" pond by way of amusement, and to satisfy their curiosity and brutal nature we hastily disrobed and imitated frogs and minnows. After the performance they had a few things to "shag" about town and we were the goat.

This urgent conduct on the "Sophs" part lasted for a week, and getting tired of it we hiked out to the Fair grounds and tried to sleep in peace Sunday night, September 16th. During the night we held a council of war, during which we spoke our minds of the "Sophs" in general, and decided to give them their punishment in the morning. After a sleepless night we arrived at the campus at 8:30. What a sight—will we ever forget it? But not all is well that starts well, for it is enough to say we were tied up—put to fool stunts and forced to wear little, wee, green, dots, called caps.

After the stunts, we dispersed till evening when we joined the sophomores and upper-classmen at a smoker. At the smoker the Sophomores failed to produce a fighter to meet the challenging freshman, and were forced to call on the Juniors. This speaks greatly of their weakness to produce efficient men.

Later on they beat us in the annual game at football, 6—0, but they were out-played throughout the entire game. Dover's punting, little "Tommy's" plunging and Roger's weight on the line were too much for them. On a fluke they got the ball to our 3 yard line and "Pig iron" (Steele) crawled over and got away with it.

It took the Class of '18 to place the Miners on the football map. There was Imlay, too fast to see; Askew and Long the plunging guards; "Brandy," the hard hitting tackle, and old "Cop" the most famous and best tackle that ever played in this section of the world. All were "M" men and Freshmen. They, with Massey, were the six Freshmen out of the fourteen Miners that beat C. B. C. Without them where would our state championship be?

We tried to come back in basket ball but again the "Sophs" slipped it over on us, 10—16. More luck!

Thus we close, hoping that our class may advance from year to year, filling successively the positions of Sophomore, Junior and Senior in their turn, and be as creditable to these positions as our predecessors.

Freshmen

Askew, Walter Howard.....	Aberdeen, S. Dak.
Bagby, Robert Edwin.....	New Haven, Mo.
Balderson, V. W.....	Atchison, Kans.
Bardsley, Clarence Edward.....	St. Louis, Mo.
Barrere, George Cady.....	St. Louis, Mo.
Bitterburg, Henry Edward.....	St. Louis, Mo.
Bowman, Charles Randolph.....	St. James, Mo.
Boyer, F. T.....	Philadelphia, Pa.
Boyer, Ray Vernon.....	Tarkio, Mo.
Brandenberger, Walter Otto.....	Belleville, Ill.
Canavan, Thomas Jefferson.....	E. St. Louis, Ill.
Chavez, Raul.....	St. Louis, Mo.
Clark, Henry Smith.....	Kansas City, Mo.
Copley, Charles Frances.....	Mahoney City, Pa.
Corby, Harry Gilbert.....	Carthage, Pa.
Cox, James.....	St. Louis, Mo.
Cox, William Ray.....	Sullivan, Mo.
Dake, Ralph.....	Rolla, Mo.
Dawson, Thomas Langhead.....	Kansas City, Mo.
Decker, Ernest Ethridge.....	Waynesville, Mo.
Doeling, Victor Hugo.....	Hannibal, Mo.
Doenecke, Henry William.....	Davenport, Iowa.
Doran, Homer Martin.....	Wellsville, Kans.
Dover, Fayette Lee.....	St. Louis, Mo.
Epperson, Charley Lee.....	Joplin, Mo.
Etem, Charley August.....	Hickman Mills, Mo.
Ferguson, William Hays, Jr.....	Mound City, Mo.
Fielder, John Ray.....	Shelbyville, Ind.
Flanders, Jerome Emerson.....	Paris, Mo.
Fleming, James Taaffe.....	St. Louis, Mo.
Freeman, Earl.....	St. Louis, Mo.
Goldman, Leon Harrison.....	St. Louis, Mo.
Golick, Tony Frank.....	Canton, Ill.
Gordon, Ray N.....	Farmington, Mo.
Gorman, Fay Osborn.....	Kansas City, Mo.
Halley, Henry Clay.....	Auxvasse, Mo.
Harbicht, Harlan Carl.....	Hannibal, Mo.
Henson, N. F.....	Sikeston, Mo.

Imlay, John Logan	Aberdeen, S. Dak.
Jamison, Glen Thomas	Wodin, Mo.
Kennedy, George Price	Atlanta, Tex.
Kern, Paul	Monroe City, Mo.
Lawrence, Hiram Pettibone	St. Louis, Mo.
Long, Emery Hubert	St. Joseph, Mo.
Mack, Otis F.	Granby, Mo.
Maness, Orie Newell	Webb City, Mo.
Massey, Robert Lee, Jr.	Omaha, Nebr.
Meadows, Harold Orland	Licking, Mo.
Miller, Edwin Lawrence	Kansas City, Mo.
Mitchell, Leslie Rae	Farmington, Mo.
Moore, Chauncy Clark	Kansas City, Mo.
Morris, John Munroe	Farmington, Mo.
Murphy, Earle	Vinita, Okla.
McCann, Edgar	Monroe City, Mo.
Nichols, Benj. Guthrie	St. Louis, Mo.
Olson, Oscar Adolph	Gwinn, Mich.
Ore, Felipe B.	Lima, Peru.
Papin, Joseph Emmett	Esther, Mo.
Pink, Eugene Michal	De Soto, Mo.
Potts, Allen Dewey	Swedebury, Mo.
Reber, William Houston	Dallas, Tex.
Rennick, Daniel McCurdy	Philadelphia, Pa.
Rogers, Robert Wells	Chicago, Ill.
Rucker, A. C.	Keytesville, Mo.
Rutherford, Raymond Elmer	Mt. Vernon, Ill.
Schnaidt, Charles Michael	St. Louis, Mo.
Stahl, Horace Reynold	Quincy, Ill.
Stoner, Oscar Eli	Chester, Nebr.
Strawn, Harry Omar	Washington, D. C.
Strobach, Lester Fred	Rolla, Mo.
Stroup, Richard John	West Quincy, Mo.
Stutzer, Harry Franklin	Kansas City, Mo.
Skeen, Lester Carlisle	St. Louis, Mo.
Terry, Mark Lorey	Jamesport, Mo.
Valentine, Herman Frederick	Marshall, Mo.
Whittam, Lester Vivian	Fair Grove, Mo.
Wilson, Edred Dewey	Rolla, Mo.
Wood, Frank Albert	Rolla, Mo.
Zeuch, Walter Charles	St. Louis, Mo.
Zoller, Lawrence Joseph	Rolla, Mo.



SPECIAL STUDENTS

Allen, Lillian May.....	Rolla, Missouri
Bland, Clark C.....	Rolla, Missouri
Dent, Bertha Mae.....	Rolla, Missouri
Milsted, Nelle.....	Rolla, Missouri
Smith, Marshall Raymond.....	Rolla, Missouri
Pearman, J. E.....	Carthage, Missouri

GRADUATE STUDENTS

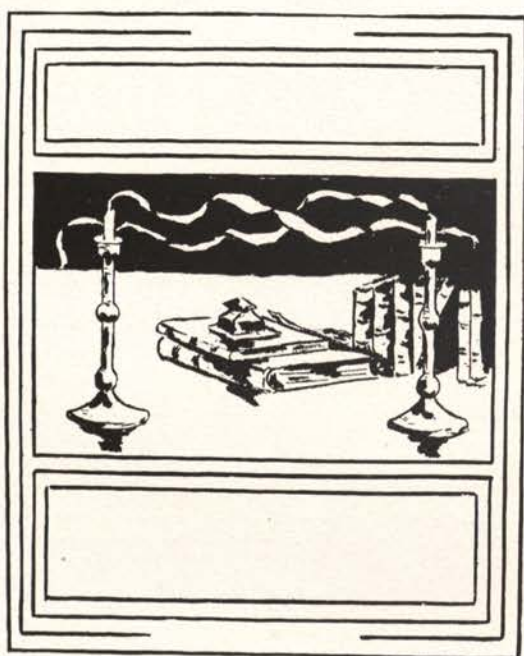
Fred T. Boyer.....	B.S. in M.E. 1909.....	Philadelphia, Pa.
Duane M. Kline.....	B.S. in M.E. 1912.....	Buckham, Nev.
Edward D. Lynton.....	B.S. in M.E. 1912.....	Merencie, Ariz.
Cairy C. Conover.....	B.S. in M.E. 1912.....	Springfield, Ill.
R. H. Maveety.....	B.S. in M.E. 1912.....	South Bethlehem, Pa.
George H. Boyer.....		Milwaukee, Wis.
Herbert L. Brooks.....	B.S. in M.E. 1913.....	Sheridan, Wyo.
Robert E. Dye.....	B.S. in M.E. 1912.....	Cobalt, Ontario, Can.
Edward M. Johnson.....	B.S. in Chem. 1892.....	Denver, Colo.
George W. Harris.....	B.S. in Chem. & Metal'gy 1904.....	Pachuca, Mex.
Edwin Bryant Thornhill.....	B.S. in M.E. 1908.....	Cobalt, Ontario, Can.
Vachell Harry McNutt.....	B.S. in M.E. 1910, M.S. 1912.....	Tulsa, Okla.
Theodore S. Dunn.....	B.S. in G.S. 1910, M.S. 1914.....	Rapid City, S. D.

In Memoriam

FRANK W. PEACH.....CLASS OF 1917

CARL KADELL.....CLASS OF 1913

DWIGHT DEAN HARRIS..CLASS OF 1912





Athletic Association

President, D. W. Blaylock,
 Vice-President, J. Hoffman,
 Secretary, S. M. Cummings,
 Treasurer, Edwin Kahlbaum.

ATHLETIC BOARD OF CONTROL

President, D. W. Blaylock,
 Secretary, Edwin Kahlbaum,
 Faculty Representative, Professor Guy Henry Cox,
 Coach, Thomas Kelly,
 Athletic Manager, Joseph B. Cole.

CAPTAIN OF THE TEAMS, SEASON 1914-1915.

R. L. Mountjoy, Football,
 J. R. Maher, Basketball,
 G. Cowman, Track,
 E. A. Miller, Baseball.

"M" MEN

FOOTBALL

C. E. Klein,	E. H. Long,	W. H. McCartney,
Joe Cole, Mgr.	W. W. Kiskaddon,	E. A. Miller,
R. L. Mountjoy,	J. G. Wilson,	W. H. Askew.

TRACK

G. H. Cowman,	C. W. Bower,	J. Barton,
Joe Cole,	F. Heman,	J. R. Maher.

BASKETBALL

J. R. Maher,	J. L. Nevin,	F. Heman.
F. L. Dover,	J. E. Pearman,	

BASEBALL

C. W. Hall,	L. L. Lodwick,	J. C. Miller, Jr.,
W. H. Kamp,	E. A. Miller,	R. L. Mountjoy,
B. E. Tate,	E. G. Deutmen,	F. Grotts.

M

ROLLAMO

M



FOOTBALL

M

M

Football Review

SEASON OF 1914

The football season of 1914 was the most successful of any season in the history of the school, even surpassing the record made by the strong team of 1913. Practice was started immediately after registration under Coach Kelly and Assistant Coach Saunders.

"M" men of the 1913 team that reported were Captain Mountjoy, E. A. Miller, Kiskaddon, Houston, Bland, Freeman, Wilson, and J. C. Miller. Others of the 1913 squad to report were McCartney, Kline and Vogel. There was also an abundance of new material. Of these men, Imlay, Askew, Copley, Steele, Brandenburger, Rogers, Kleppel, Gordon, Dawson and Massey looked good. All these men played well during the season.

For a couple of weeks the men were run through the usual preliminary training. Everybody went to work with "lots of pep." This was maintained throughout the entire season. The men got into condition rapidly and by faithful training were always in good shape for the games. Early in the season the old slogan "Beat Mizzo" was again taken up and everybody hoped that this might be done this year, for they were certain that the team was the strongest team that ever represented the school on the gridiron.

A week of hard scrimmage preceded the Missouri game, which was the first of the season and was played at Columbia, October 3rd.

That the season was a success is best shown by the wonderful score of 540 to 0. The team easily carried off the honors as "State Champions" and also were in line for the "Missouri Valley" title.

Coaches Kelly and Saunders worked the team hard, and much of the team's success during the season is directly due to these efficient coaches and to the way they succeeded in keeping the men in training.

THE MISSOURI GAME.

On October third, the Miners played the real big game of the season, namely, the Missouri University game at Columbia. There was the same old determination in the 1914 bunch, that has been characteristic of the Miner teams of past years—"Beat Mizzo." Along with the team were about sixty Miners determined to do what they could to help trim the Tigers.

From the kickoff it was plain that the Miners out-classed the Tigers in almost every point of the game. The ball was constantly in Missouri's territory and several times during the first half it looked as if the Miners would carry the ball over. It was a fumble, and not the Tigers, that kept the ball from going over in the first five minutes of play, the ball having been carried to the Tigers' five-yard line in three downs by Imlay and Bland.

True to custom, Missouri played the waiting game, and punted the entire first half, thinking they could tire the Miners out. This, however, was one time that the Miners were in perfect condition, thanks to the strict training of Coach Kelly and the spirit in which the men took it. It is worthy of notice that the Miners played only thirteen men, against twenty-seven Tigers.

To pick any one man as a star, would be a hard proposition, indeed, for they all played as they had never played before. The kicking of Freeman was little less than sensational, kicking three field goals out of three attempts. Through the whole game, "Box Car" tore and smashed the Tiger line for big gains. Bland played his usual fast and speedy game. He seemed to be a marked man that day for the Missouri backs were continually after him. The surprise of the game was the running of Jack Imlay. He carried the ball where it was called and generally got there no matter how many Tigers were in his way. He is without exception the fastest back that has played in the Valley for many years. His broken field running was great, and will be well remembered by those who saw him in action. Kiskaddon showed wonderful generalship this season. He was always in the game calling his plays before the men were on their feet. "Kis" also had a wonderful toe which caused his opponents no end of worry. The Miners' line was something that the Tigers could not get through. They hit it time after time, only to be stopped by Copley, Houston, Wilson or Long. The Tigers had as little success around ends as through the line for Captain Mountjoy and "Kelly" Miller got everything that came their way. Mountjoy and Miller broke up many Tiger passes and were equally as good in completing a Miner pass.

Lack of space prevents an outline of the plays and the men that took part in the game, but it may be said that the whole team was in every play from the kickoff to the finish.

The end of the game found the ball in Missouri's territory and the score 9-0 in favor of the Miners. Certainly, "Thorny" had the right hunch when he said that he felt that we would tie a knot in the Tiger's tail. Not one knot, but "NINE."

All the Miners that saw the game are indebted to Coach Brewer of Missouri, who kindly permitted them to see the game without first "seeing" the ticket-seller.

The staid town of Rolla has seldom seen such activity as there was here that evening. Bonfires, ringing of bells, shirt-tail parades and yells caused so much alarm that a few natives living on the out-skirts of the town called up and asked if the U. S. had declared war on Mexico.

WASHINGTON UNIVERSITY GAME.

Washington University proved easy and were defeated 19—0 on a wet and muddy field. The wet field and heavy penalties kept the score much lower than it should have been. Washington nearly scored once, but lost the ball on downs. Copley, Bland, Imlay, Freeman and Kiskaddon starred throughout the whole game.

Score: Miners, 19; Washington, 0.

ARKANSAS UNIVERSITY GAME.

The Miners played the light Arkansas eleven off its feet and won easily 40—0. Arkansas gained frequently on forward passes, but were only dangerous at one time when they nearly scored a field goal. Copley and the Miners back field starred.

Score: Miners, 40; Arkansas, 0.

KANSAS SCHOOL OF MINES GAME.

The Kansas Miners were inclined to be scrappy, but were completely outclassed by the Miners. The whole Miner team starred and several substitutes showed up well.

Score: Miners, 87; Kansas School of Mines, 0.

DRURY GAME.

The Panthers were defeated before the game really started, and were never dangerous. Freeman and Houston were out of the game because of injuries, but their positions were well filled by substitutes. The whole team performed well, and the Miners scored at will.

Score: Miners, 68; Drury, 0.

PITTSBURG NORMAL GAME.

The Normals nearly scored on two occasions, and only the speed of "Kelly" Miller and Kiskaddon prevented them from doing so. The game was too one-sided to be very interesting and coaches Kelly and Saunders tried out numerous substitutes.

Score: Miners, 104; Pittsburg Normal, 0.

KIRKSVILLE OSTEOPATH GAME.

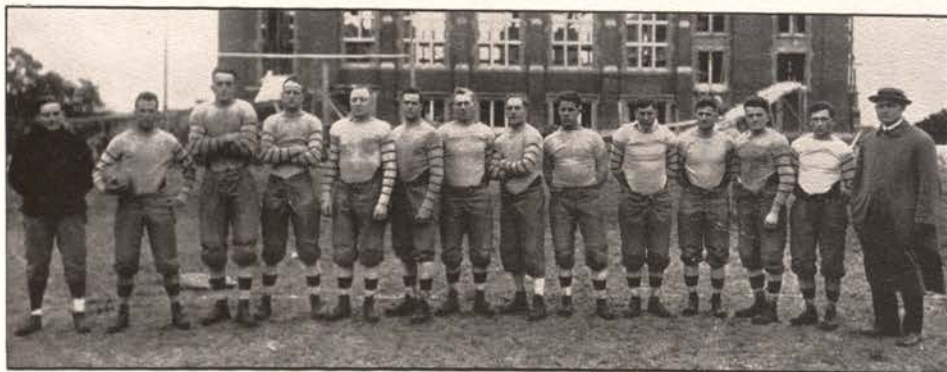
The Miners defeated the poor old Osteopaths by the largest score made in College football in 1914. Imlay scored a touchdown during the first minute of play. After that the Miners took turns at scoring goals. Kiskaddon kicked 18 goals.

Score: Miners, 150; Kirksville Osteopaths, 0.

ST. LOUIS UNIVERSITY GAME.

Thanksgiving Day the Miners easily defeated St. Louis University. From the start there was no doubt who would win, and St. Louis University had no chance to score. The game was rather rough and Copley and Imlay were both injured. Several St. Louis University players were removed for rough playing. Copley and the Miners' back field starred.

Score: Miners, 63; St. Louis University, 0.







COACH KELLY
Chicago University



ASSISTANT COACH SAUNDERS
Missouri University



J. B. COLE, '14
Business Manager



GEORGE KUBLIN, '17
Cheer Leader



"JOE" WILSON, '16
Captain Elect
Center



"BUCK" MOUNTJOY, '16
Captain
End



"JACK" IMLAY, '18
Half Back





"COP" COPLEY, '18
Tackle



"FREE" FREEMAN, '17
Full Back



"HOB" HOUSTON, '18
Tackle





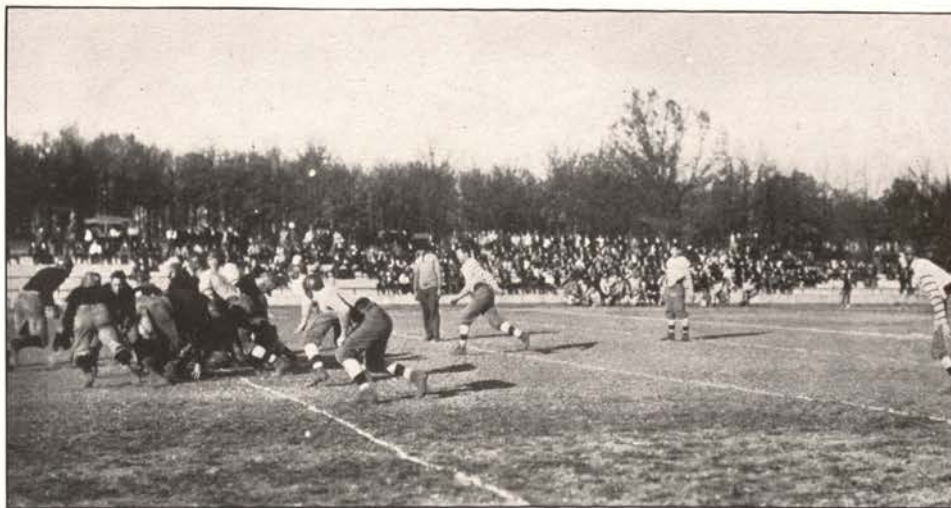
LONG, '18
Guard



'BRANDY' BRANDENBURGER
'18
Guard



ASKEW, '18
Guard





"KELLY" MILLER, '16
End



"MAC" McCARTNEY, '16
Half Back



KLINE, '16
End





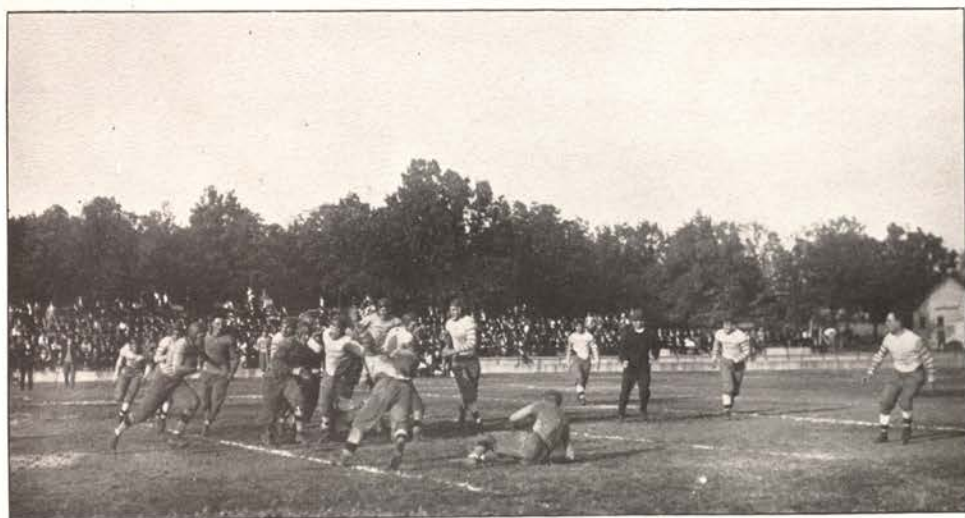
"EGGIE" MILLER, '15
Center



"PITTS" BLAND, '17
Half Back



KISKADDON, '16
Quarterback





ROGERS, '18
Tackle and Guard



DOVER, '18
Half Back



KLEPEL, '16
Tackle and Guard







M

ROLLAMO

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BASEBALL

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BASEBALL SEASON OF 1914

The baseball team that represented M. S. M. for the season of 1914 was a very fast combination, but was unfortunate in being matched against exceptionally strong teams.

The first trip was taken before the players were in good condition. The games at Morrisville were very fast and close, and resulted in an even break. If the team had been as successful in making hits in the game as they were in making hits with the crowd (especially that good looking catcher) they would have won both games easily.

From Morrisville the team went to play Drury. Drury held a two days' "batting-fest" that did not improve our percentage in the number of games won. At Arkansas the team showed its true ability, winning both games. In the first game "Herman" had the "Indian sign" on the Arkansas bunch, striking out 16 men and allowing only three hits. The second game was easy. Every "Miner" played like a big leaguer.

The next games were played in St. Louis, where the strong C. B. C. and Concordia teams added three more defeats to our record.

The season closed with two games at Rolla, one against C. B. and one against Drury. Both these games were lost by the Miners.

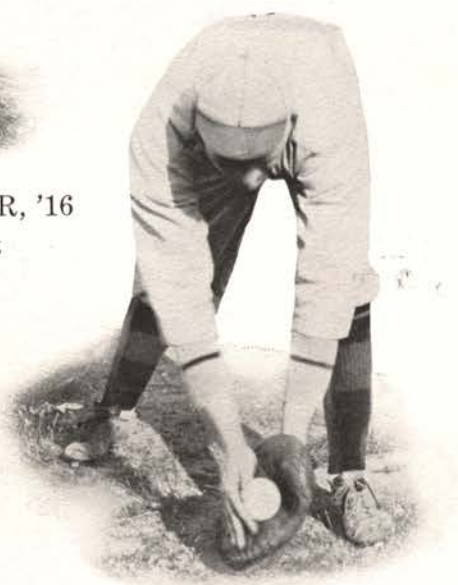
Although the team lost more games than it won, it was an exceptionally good team. "Buck" at short and "Kelly" at second starred throughout the season. "Eggie" on first, with his "little more pep," never failed to keep the team on the jump. The rest of the players deserve great credit for the fighting spirit that they showed throughout the season. There is no doubt that the team deserved a better record than it made.



"KELLY" MILLER, '16
Captain Elect
Second Base



"ED" TATE, '17
Out Field



"EGGIE" MILLER, '14
Captain
First Base



"OLE" LODWICK, '14
Catcher



"BUCK" MOUNTJOY, '16
Short Stop



"BILL" KAMP, '16
Third Base



"RED" DEUTMAN, '16
Out Field



"FRED" GROTS, '16
Pitcher



"BILL" HALL, '16
Pitcher

"M's" Awarded in Baseball in 1914

F. Grotts, '16,
 C. W. Hall, '14,
 E. A. Miller, '16,
 R. L. Mountjoy, '16,
 J. C. Miller, Captain, '14,
 B. E. Tate, '17,
 E. G. Deutman, '16,
 L. Lodwick, '14.

Baseball Schedule, 1915

BASEBALL SCHEDULE AT ROLLA

Drury.....April 19th and 20th (2 games).
 Arkansas.....May 5th and 6th (2 games).

Two games with Oklahoma University or
Nebraska Indians in latter part of May.

AT FAYETTEVILLE

Arkansas.....May 12th and 13th (2 games).

AT SPRINGFIELD

Drury.....May 9th and 10th (2 games).

AT ST. LOUIS

Concordia Seminary.....May 22nd (1 game).



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ROLLAMO

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TRACK

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Review of Track Season 1914

Our track activities for the season of 1915, were not extensive, being limited to a dual meet with Drury. A review of this meet reviews the season.

The track meet between the School of Mines and Drury College, of Springfield, Missouri, April 30th, was won by the Miners by the score of 60 to 44. The only special feature of the meet was the fact that Cowman, the Miners' fast sprinter, won every event in which he was entered. The following were the scores:

100-yard dash: Cowman, M.S.M., first, 10 2/5; Humphries, Drury. Shot put: First, Fulbright, Drury, distance, 36 feet 4 inches; second, Marr, Drury. Mile run: Maher, M.S.M., first, time 4:58; second, Theodore, Drury. Pole vault: Barton, M.S.M., first, distance, 9 feet 2 inches; second, Teed, Drury. 440-yard dash: Cowman, M.S.M., first, time, 52:2; second, Cole, M.S.M. Discus throw: Marr, Drury, first, distance, 104.1; second, Lodwick, M.S.M. 220-yard hurdles: Hannigan, Drury, first, 17:3; second, Kamp, M.S.M. 880-yard dash: Heman, M.S.M., time 2:13:2; Second, Maher, M.S.M. Broad jump: Bauer, M.S.M., first, distance, 20:5; second, Hannagan, Drury. 220-yard hurdles: Hannagan, Drury, first, time 29:2; second, Heman, M.S.M. 220-yard dash: Cowman, M.S.M., first, time, 23:1; second, Humphries, Drury. High Jump: Bauer, M.S.M., distance, 5 feet 5 inches; second, Marr, Drury. Half-mile relay: M.S.M., first; Drury, second.

Officials: Clerk of Course, E. H. McCleary, Penn. State; Field Judges W. L. Simpson, Missouri U.; W. H. McCague, M.S.M.; Track Judges, Dr. A. L. McRae, M.S.M., Prof. J. H. Bowen, M.S.M.; Timekeepers, Nee and Thompson, Drury, Announcer, A. F. Truex, M.S.M.

Missouri Valley Conference Meet



Although represented by only one man at this meet, the Missouri School of Mines received quite a notoriety in athletic circles through the performance of "Jerry" Cowman, the "cottontopped" runner from here. Cowman has always attracted much attention from the fellows by his sensational speed. Yet, few of us were aware of the fact that he was of such calibre as a runner.

His 440-yards in 48 2/5 seconds established a new Missouri Valley record, breaking the old record by almost 2 seconds. This is not likely to be bettered for some time.

Cowman won all the points M. S. M. got at this meet, taking first place in the 440 and fourth in the 100 yard dash.



HEMAN, '16
880 Dash
Relay
Low Hurdles



MAHER, '15
Mile Run
Half Mile
2 Mile



"JOE" COLE, '15
Captain
220- 440 Dash
Relay



BARTON, '17
Pole Vault
Relay

"M's" Awarded in Track 1914

Maher '15

Cowman '14

Bower '16

Barton '17

Cole '15

M. S. M. Track Records

	<i>Record</i>	<i>Holder</i>	<i>Year Made</i>
100 yard dash.....	:10 1/5	K. V. Moll, G. Cowman	1902
200 yard dash.....	:22 2/5	G. Cowman	1913
440 yard dash.....	:48 2/5	G. Cowman	1913
880 yards.....	2:04	G. H. Boyer	1906
1 mile run.....	4:40	G. H. Boyer	1906
120 yard hurdles.....	:16	M. S. Mazany	1909
220 yard hurdles.....	:25 4/5	M. S. Mazany	1909
16-lb. shot.....	41 ft. 9 in.	S. C. McComber	1908
Discus.....	111 ft. 6 in.	E. P. Barrett	1908
High jump.....	5 ft. 7 in.	John Graves	1905
Broad jump.....	20 ft. 10 1/2 in.	C. W. Traugher	1909
Pole vault.....	11 ft.	S. C. McComber	1911
Five-mile cross country....	30:40	E. D. Lynton	1908
Half-mile relay.....	1:37 2/5		1913

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ROLLAMO

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BASKETBALL

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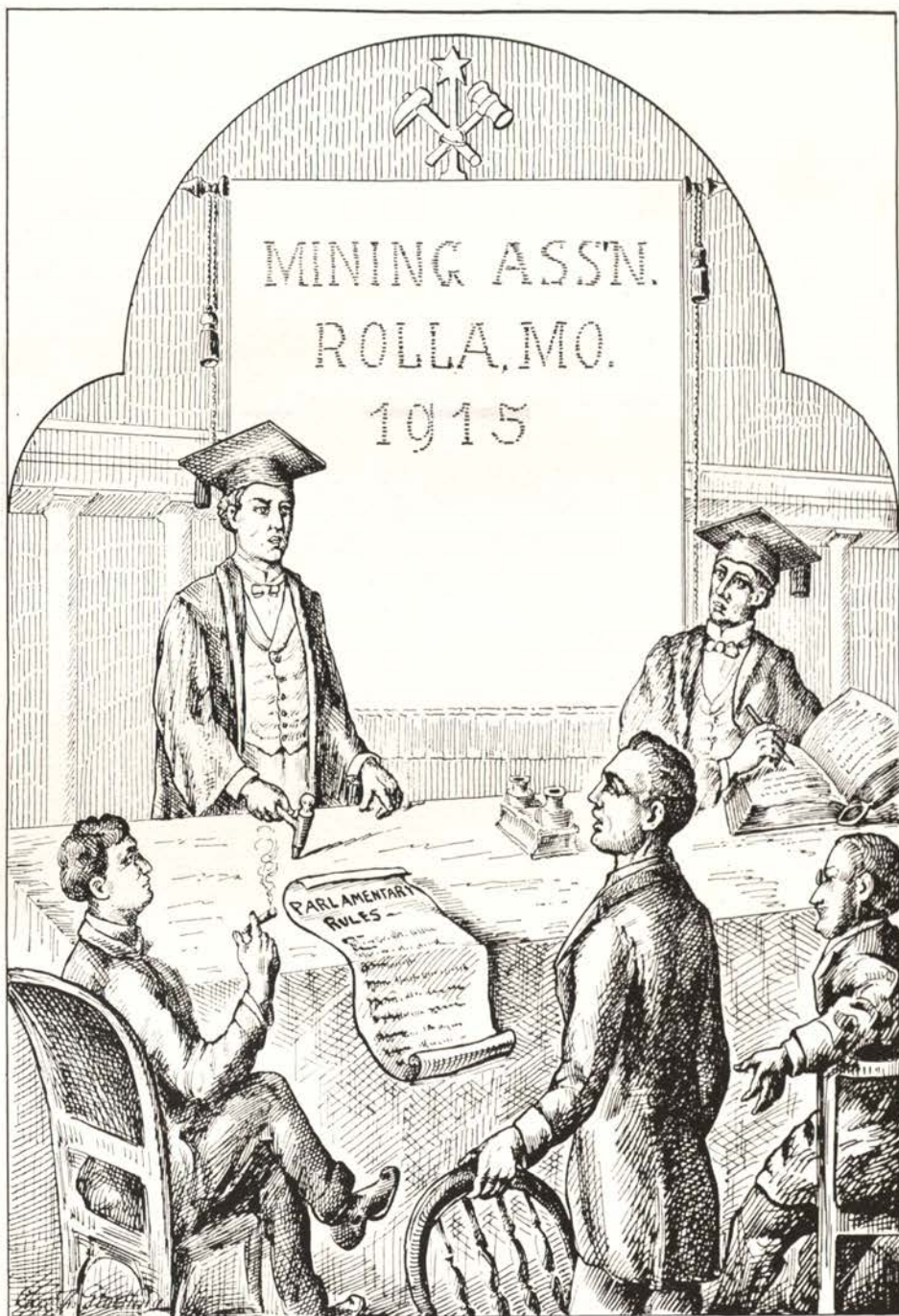
Basketball Review Season 1915

After a year's lapse in this branch of athletics basketball has been reintroduced at the Missouri School of Mines. The season has been a success in the interest that it has stimulated in this sport in the student body and the people of Rolla. Larger crowds than any previous team had ever drawn here marked the attendance of the four games that were played at home. This helped materially towards the financial success of the sport.

All the games that were played here were characterized by the usual Miner "pep." Although we were unfortunate in that we won only two of the four local games, we are confident that the new interest shown in this sport, will allow us to continue this branch of athletics with a winning team next season.

BASKETBALL SCORES

January 20—	Miners, 27; Springfield Normal, 26
January 21—	Miners, 26; Springfield Normal, 30
January 22—	Miners, 21; Drury 40
January 23—	Miners, 26; Drury, 29
February 5—	Miners, 32; Springfield Normal, 18
February 6—	Miners, 20; Springfield Normal, 22
February 26—	Miners, 44; Drury, 22
February 27—	Miners, 26; Drury, 30



ORGANIZATIONS

THE
ROLLAMO BOARD
M C M X V

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STAFF PHOTOGRAPHER

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WM. H. KAMP
ASSOCIATE EDITOR

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ASSOCIATE EDITOR



EUGENE JOHNSON '15



W.H. KAMP



MYRON SKIDMORE



H.M. WILSON



J.S. HOFFMAN



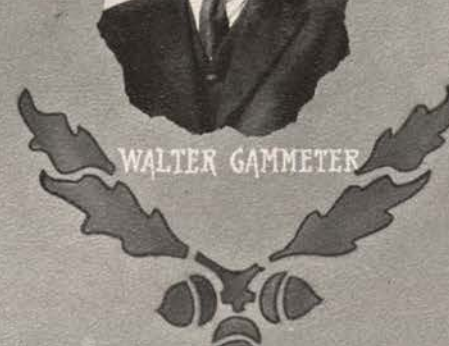
WALTER GAMMETER



W.H. McCARTNEY



E.H. RUEBEL



C.G. STIFEL



J.R. MAHER



J.A. WORLEY



W. ELLIOTT

Editorial

In preparing these lines we do not wish to make the following the usual dry lecture that is so characteristic of editorials of College Annuals. We do, however, mention a few suggestions, which, although they may seem unappropriate, we hope will tend to better some of the conditions pertaining to the editing of the Rollamo.

Factional interests, although largely suppressed in regard to the Rollamo at this time, are still too prominent, and have the usual detrimental effect that such tendencies must have. We can only urge, from a standpoint of justice to the Rollamo and to the School, that such things be dropped and forgotten when a matter of such nature as the Rollamo is at stake.

This book should be characteristic of the happenings at the School during the year and should emphasize each man as a unit in the events that have occurred during this time, rather than the factional scrapes that may have occurred. So let your relation to this enterprise be as a unit to the School. Have a thought in what you say and do for the Rollamo! It is yours as much as anyone else's! Don't let minor relations as to party or belief keep you from doing what you should to support that which you are obligated to support. A few men cannot make a Rollamo; it requires everybody's help.

We regret that a great deal of what is printed in this issue must be credited to persons outside of our school, who either through loyalty and friendliness to the school, or through material compensation for their work, have helped much to make this book what it is. This is especially true of the drawings that appear in the book. Although we cannot expect to find expert talent among the students of a school of this kind, we nevertheless feel that much worthy talent has remained inactive and that many of us have failed to give that help which the Rollamo should be justified in claiming from every loyal son of the School.

In our efforts to produce a book that would be worthy of the school, we have drafted liberally on past issues of the Rollamo. This is especially so in regard to the 1914 book. In due consideration of this, we wish to acknowledge to the members of former Rollamo Boards our indebtedness to them for what ideas in arrangement and detail we have obtained from their books, in producing what we consider a good arrangement and presentation of the substance covered by a Rollamo.

We also wish to acknowledge our indebtedness to the following men:

Messrs. E. Woolrych, F. Schwartz, W. C. Zeuch and Eugene Johnson, for drawings and illustrations; Messrs. J. K. Walsh, E. McMakin, A. Kayser, J. W. Brown, and R. L. Massey, for poems and class writeups, and Coach Kelly for his help in preparing the athletic articles. We are also greatly indebted to Mr. Kahlbaum, through whose kind and untiring interest in our work, we were able to obtain the many excellent photos of the school buildings and the members of the football, basketball and track teams.

We are also indebted to Messrs. R. W. Griffin, W. A. Shaw, A. F. Truex, G. E. Ude, J. Bridge, T. Robson, W. Bayha, W. H. Boyle, and many others for supplying us with kodak pictures.

We also acknowledge the services of Messrs. W. Bayha, B. W. Adams, J. Allen and G. C. Barrere, in helping the Rollamo Board with the picture shows, Lyceum courses and the many other activities that they have undertaken during the year.



Student Council

1914—1915

FACULTY MEMBERS

A. L. McRae

G. H. Cox

C. R. Forbes

J. W. Barley

Thomas Kelly

REPRESENTATIVES FROM THE CLASSES

SENIORS

H. M. Wilson, *President*

G. Erskine

E. H. Reubel

J. R. Maher

JUNIORS

B. W. Adams

W. H. McCartney

J. A. Worley

SOPHOMORES

B. E. Tate

J. H. Evans

FRESHMAN

L. J. Zoller



The Mining Association

W. M. Benham.....	<i>President</i>
E. A. Miller.....	<i>Vice-President</i>
W. H. McCartney.....	<i>Secretary</i>
J. C. Miller.....	<i>Treasurer</i>

Twenty years ago there was formed at this school a society for the promotion of interest in mining affairs. The Missouri Mining Club, as it was called, must have been a live organization. Two bulletins were printed by the Club; the first, in January, 1895, the second, in June of that year. Help in publishing the first bulletin was secured from the school authorities, but the second was financed entirely by the Club.

The second bulletin of the Club may be found in the library, and after reading it we must "take off our hats" to the men who wrote those articles. If you want to review Cox's lectures on the "raft" and the "growth in place" theories of coal formation, Forbes' timbering, or Mann's latest dope on gold and silver losses in cupellation, you will find them given here along with many other good articles.

The Mining Association, established in 1910 with the same object in view as the Mining Club had, has had a very prosperous year. We now have about thirty members, all working for the good of the Association. A number of good lectures have been given.

Director Copeland's series of lectures on his trip to Bolivia are drawing crowds. Several other good lectures have been given. The reflectoscope has been a great help in allowing our lecturers to illustrate their talks. Eight reels of films showing operations in lead, coal, and iron mines have been shown. These free "movies" have been popular with the entire student body.

The Association is affiliated with the A. I. M. E., and with the Engineering Club of St. Louis. Both of these societies offer to help us in securing lecturers and films for our meetings. They also offer our members the facilities of their libraries and their employment departments. The Engineering Club of St. Louis offers a free associate membership for the best paper presented before the Association and offers our members the privilege of Junior Membership at one-half their usual rates. The help of these strong organizations will mean much to the Association in the future.

There is still much to be done. Plans for publishing a bulletin similar to that of the old Mining Club are being considered and there is a possibility that good reports and thesis work will some day be printed in such a bulletin instead of lying in the library. We would like to run an employment bureau of our own. Through our members among the Alumni we hope to keep in touch with the mining camps. And last, we want every man in school who is eligible to membership and who is interested in mining or metallurgy to become a member of the Association.



Young Men's Christian Association

CABINET, 1914-15

H. J. Schiermeyer, *President* G. H. Kublin, *Vice-President*
H. A. Kluge, *Secretary and Treasurer*
Prof. C. R. Forbes, *Faculty Adviser*

This has been an uneventful year for the Young Men's Christian Association. At the beginning of the school year very little interest in the Y. M. C. A. was found, but by the time the holidays drew near, enough enthusiasm was aroused to partially revive the Association. In December a meeting of those interested was called. Plans were discussed and officers elected. With the late start, however, a great deal is not expected to be accomplished this year, but foundations will be laid for a more active year in 1915-16, when we expect to have our quarters in the Gymnasium building.

Tau Beta Pi

BETA OF MISSOURI

Installed December, 1906

HONORARY MEMBERS

H. A. Buehler

L. E. Garrett

L. E. Young

L. A. Test

A. L. McRae

G. H. Cox

G. R. Dean

W. Rowland Cox

D. Copeland

Joseph Austin Holmes

FRATRES IN URBE

A. T. Truex

W. C. Hogoboom

FRATRES IN FACULTATE

C. R. Forbes

C. Y. Clayton

V. H. Gottschalk

J. C. Ingram

FRATRES IN UNIVERSITATE

W. Gammeter

E. J. McNely

W. Elliott

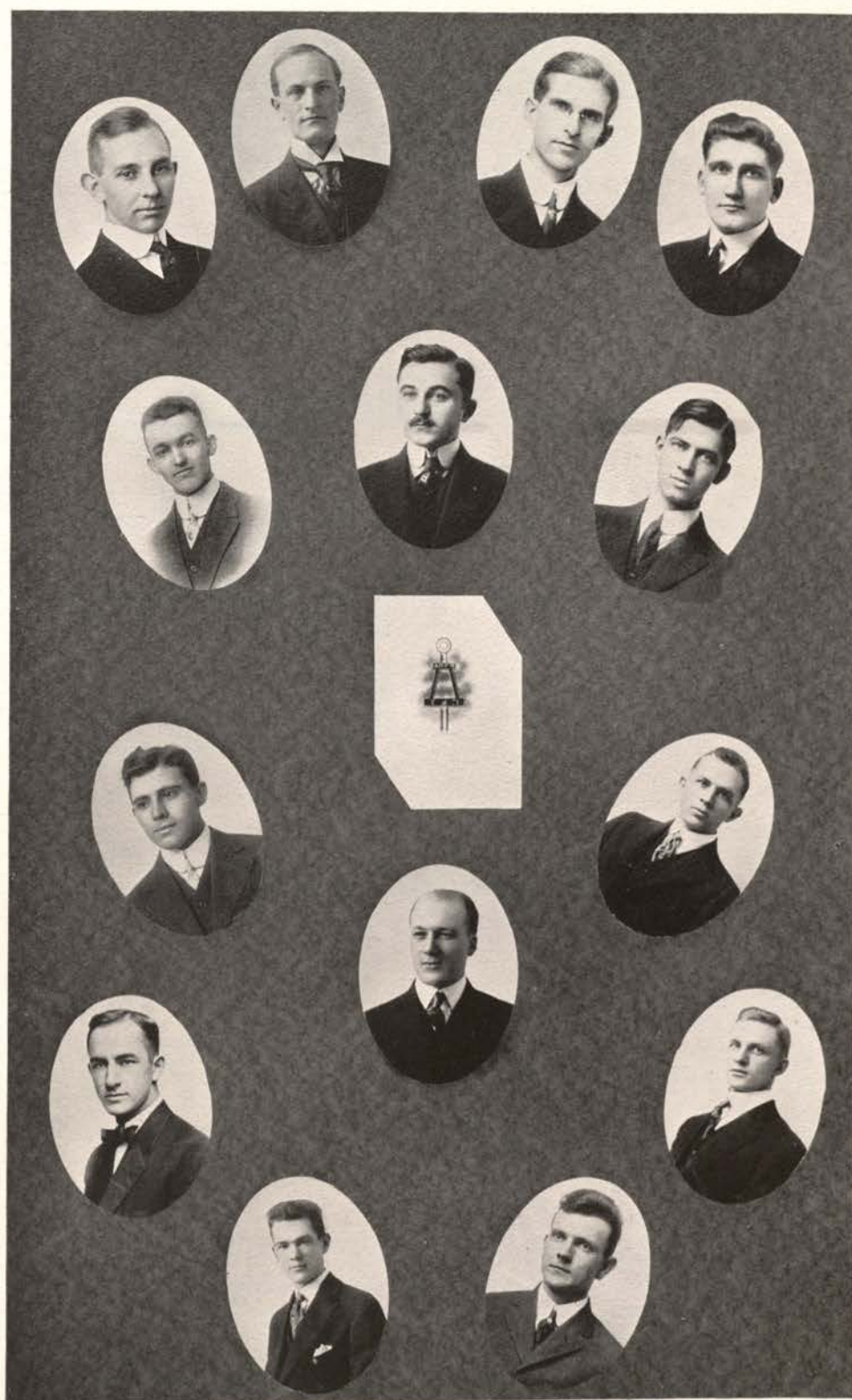
E. L. Sailer

W. M. Benham

B. W. Adams

G. E. Johnson

J. J. Dowd



Quo Vadis

A. No. 1. JUNGLE

Motto—"Please Mum."

Flower—Dog Fennel.

Colors—Black and Blue

BOES IN BURG

"True" Truex

"Senator" Hatch

BOES IN FACULTY

"Boots" Clayton

BOES IN JOINT

"Joe" Cole

"Smile" Grotts

"Red" Maher

"Doc" Raible

"Mac" McCartney

"Kubby" Kublin

"Kelly" Miller

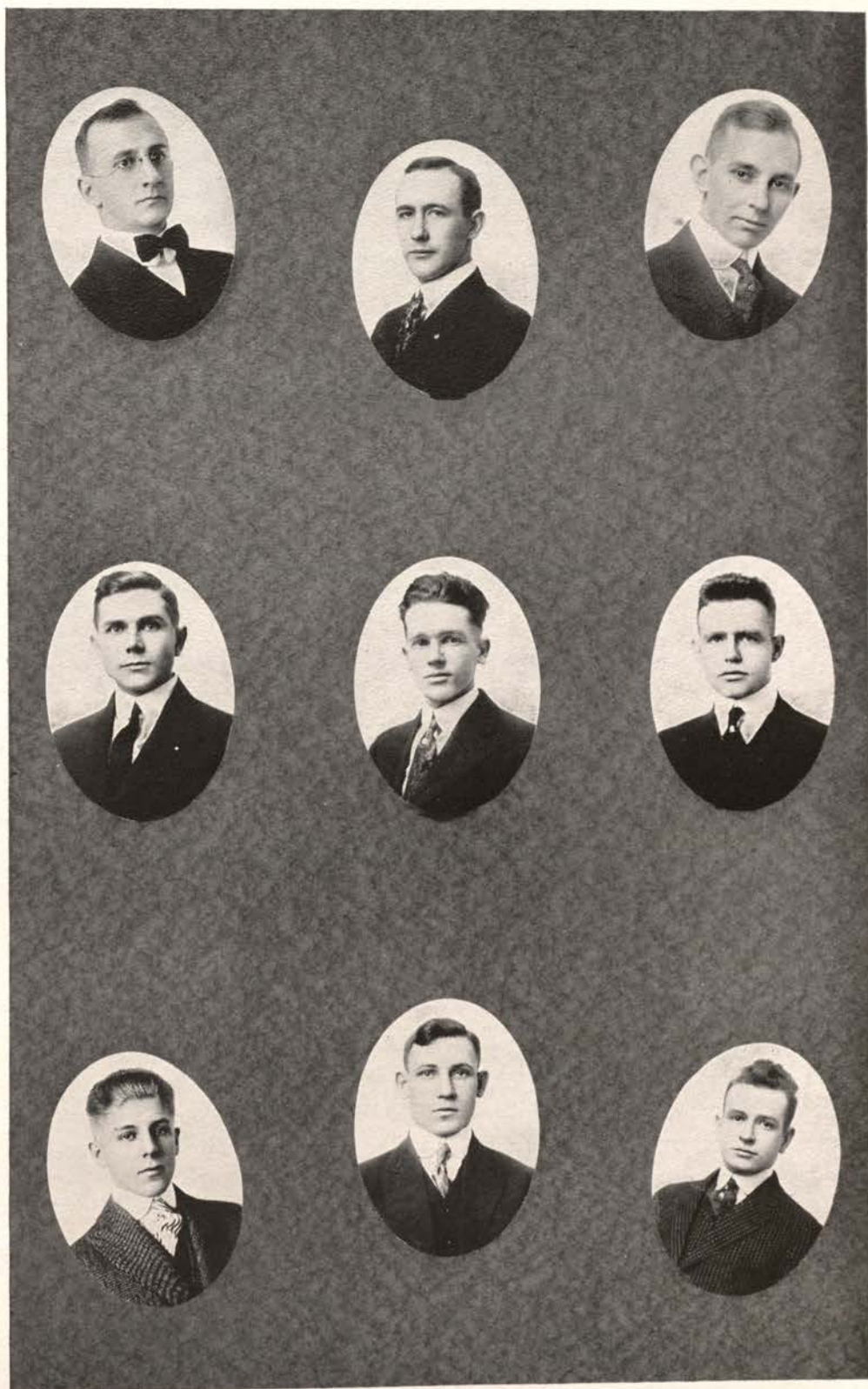
BUMS EN ROUTE

"Curly" Collins

"Dutch" Schmid

"Bo" Arnold

"A thousand miles without a red,
A side door Pullman for a bed—
At some kind dame's freely fed,
A jolly good fellow when all is said."



Pipe and Bowl

Objects:

"To promote good fellowship among the students of the Missouri School of Mines, and to further the interests of the School."

James A. Worley, Jr.

Carl G. Stifel

R. LeRoy Mountjoy

O. Dexter Neal

Gunnard E. Johnson

John J. Doyle

Roy W. Hayden

Joseph C. Raible

Kenneth V. B. Rossman

Warden H. Cowan

M

ROLLAMO

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Triangle Club

PYTHIAN

J. B. Cole, *President*

N. E. Ritter, *Vice-President*

T. P. McCague, *Secretary and Treasurer*

G. Erskine	D. W. Blaylock	N. E. Ritter	T. P. McCague
L. N. Hoppock			J. B. Cole
W. Gammeter		W. H. Freudenberg	

R. Dickerson

J. Hunter

L. E. Garrett

A. L. McRae



The Trowell Club

The organization of a Masonic Social College Fraternity, known as Acacia, and its successful maintenance in most of the large colleges and universities has done much to bind together by closer bonds the Masonic student-body of the country and to create and intensify a spirit of Masonic research among the newer generation of college Masons.

The number of Masonic students enrolled in the School of Mines the last two or three years enabled them to organize a club of this kind. On January 30th, 1914, the organization was completed, under the name of the Trowell Club, with ten students, ten faculty members and three alumni as members. A constitution and by-laws were adopted. Several interesting meetings were held during the year at which talks were given by faculty members and student members.

At the last meeting in May the following officers were elected for the school year of 1914 and 1915:

D. W. Blaylock, President,	R. E. T. Wilkins, Treasurer,
Fred Grotts, Vice-President,	Fred Lane, Master-at-Arms,
J. W. Brown, Secretary.	

Due to loss by graduation, withdrawal from school and sickness of the more enthusiastic members, a slight delay was experienced in holding regular meetings this year.

The following program was arranged for the year and promises to be very interesting and instructive:

Origin of secret societies and fraternities.

Orders of Knighthood.

Why was Masonry instituted?

Morals, dogmas and explanation of words and phrases of the Entered Apprentice Degree.

Morals, dogmas and explanation of words and phrases of the Fellow Crafts Degree.

Morals, dogmas and explanation of words and phrases of the Master Mason Degree.

Anti-Masonry in the United States.

SATYRS.
HONORARY SOPHOMORE ORGANIZATION
ORGANIZED OCT. 1913.
ACTIVE MEMBERS.

G.H. Kublin.

W.V. Bayha.

C.M. Huff.

W.R. McComb

K.V.B. Rossman.



J.C. Raible.

B.E. Tate.

H.A. Kluge.

C.D. Meador.

J.G. Reilley.

J.G. Wilson.

In the School.

J.A. Worley.

K.I. Gannon

J.P. Galbraith

Jno. Schuman

Fred Grofts.

J.L. Head.

R. Craig.

L.W. Ehlers.

W.H. McCartney.

E.A. Miller.

Absent.

W.D. Beeghley

E.H. Woolrych.

C.J. Siegriest

R.B. Worpel

J.W. Brown

C.R. Mize.

W.H. Pugh.

Latin American Club

Tomas Robson

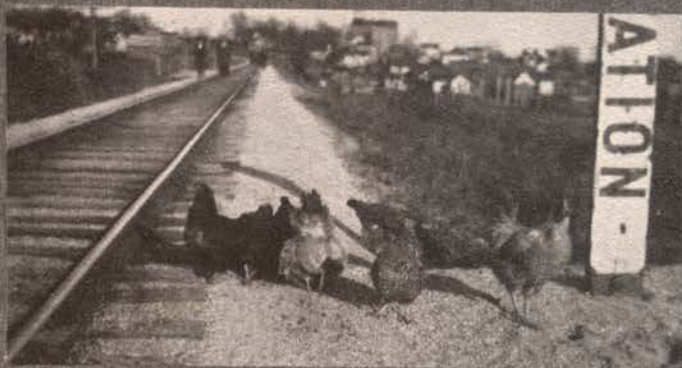
Rafael Velasco

F. B. Ore

Juan R. Casanovas

Raoul Chavez







FRATERNITIES

Sigma Nu

Gamma Xi Chapter

Established January 23, 1903

FRATRES IN URBE

Clark C. Bland

William Coryell Hogoboom

FRATER IN FACULTATE

Joseph Wayne Barley

FRATER IN UNIVERSITATE

SENIORS

Alexander Edwin Kayser

JUNIORS

Roy Wilbur Hayden,

Floyd Dixie James,

James Lawrence Head,

Richard LeRoy Mountjoy,

William Walter Kiskaddon.

SOPHOMORES

William Clark Powell,

Albert Jewett Langdon, Jr.,

Joseph Griswold Wilson,

Harry Atwood Ambler,

Hugh Prentice Rice,

Warden Henry Cowen,

Charles Mayfield Huff,

James Roscoe Couch.

FRESHMEN

Leslie Roy Mitchell,

James L. Cox,

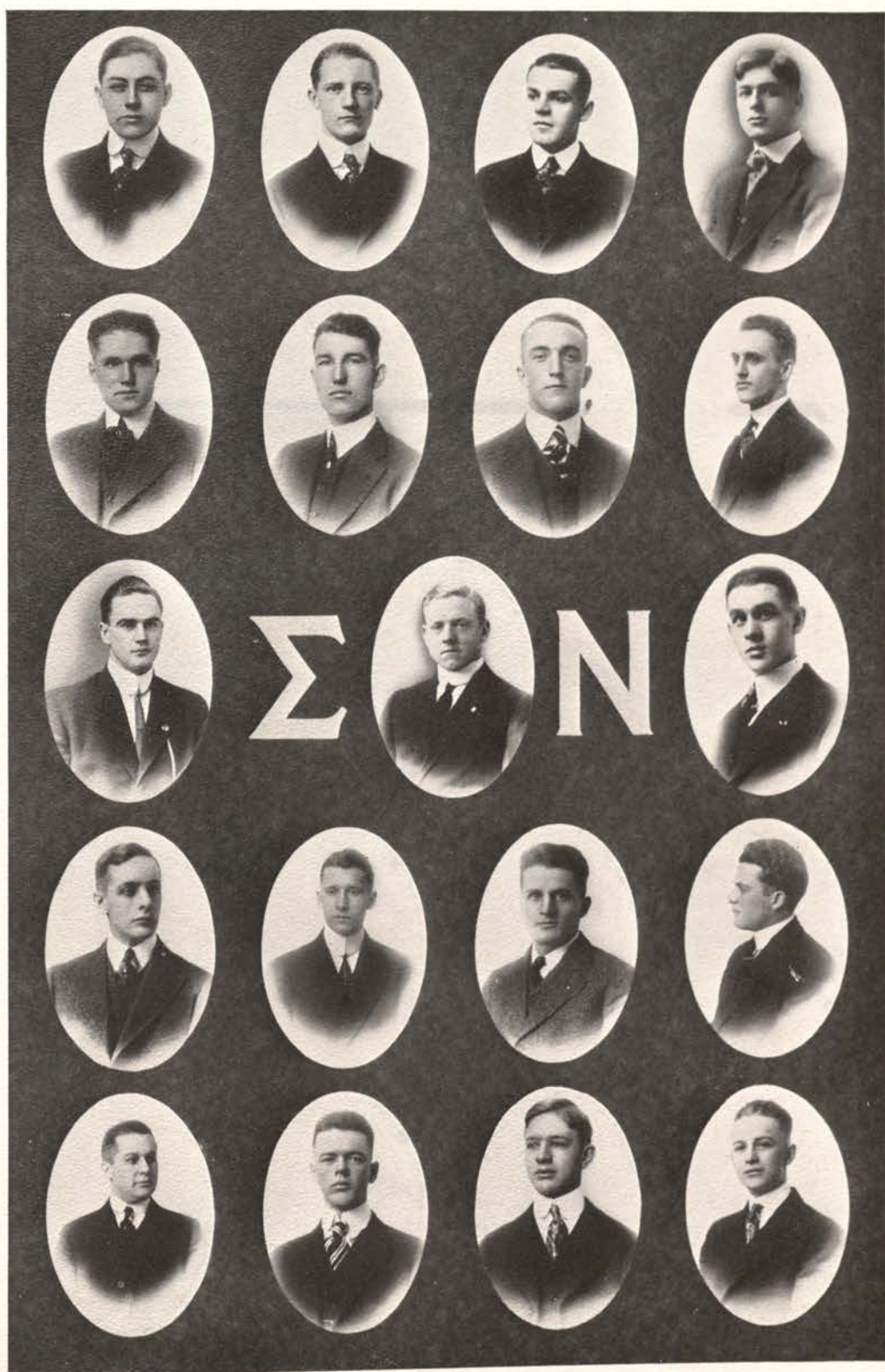
John Munson Morris,

Harlan Carl Harbicht.

PLEDGES

Emery Hubert Long,

Robert Wells Rogers.



Kappa Alpha

Beta Alpha Chapter

Installed April 27, 1903

FRATRES IN URBE

Charles L. Wood

Alexis Xavier Illinski

FRATER IN FACULTATE

Charles Y. Clayton

FRATRES IN UNIVERSITATE

Gireard Hoops Cowman,

Frank Lindley Johnson,

Edwin See Tompkins,

Earl George Deutman,

William Henry McCartney,

Fred Richard Heman,

John Gay Reilly,

James Henry Bock,

Frank Stillman Elfred,

John Skinner Wood,

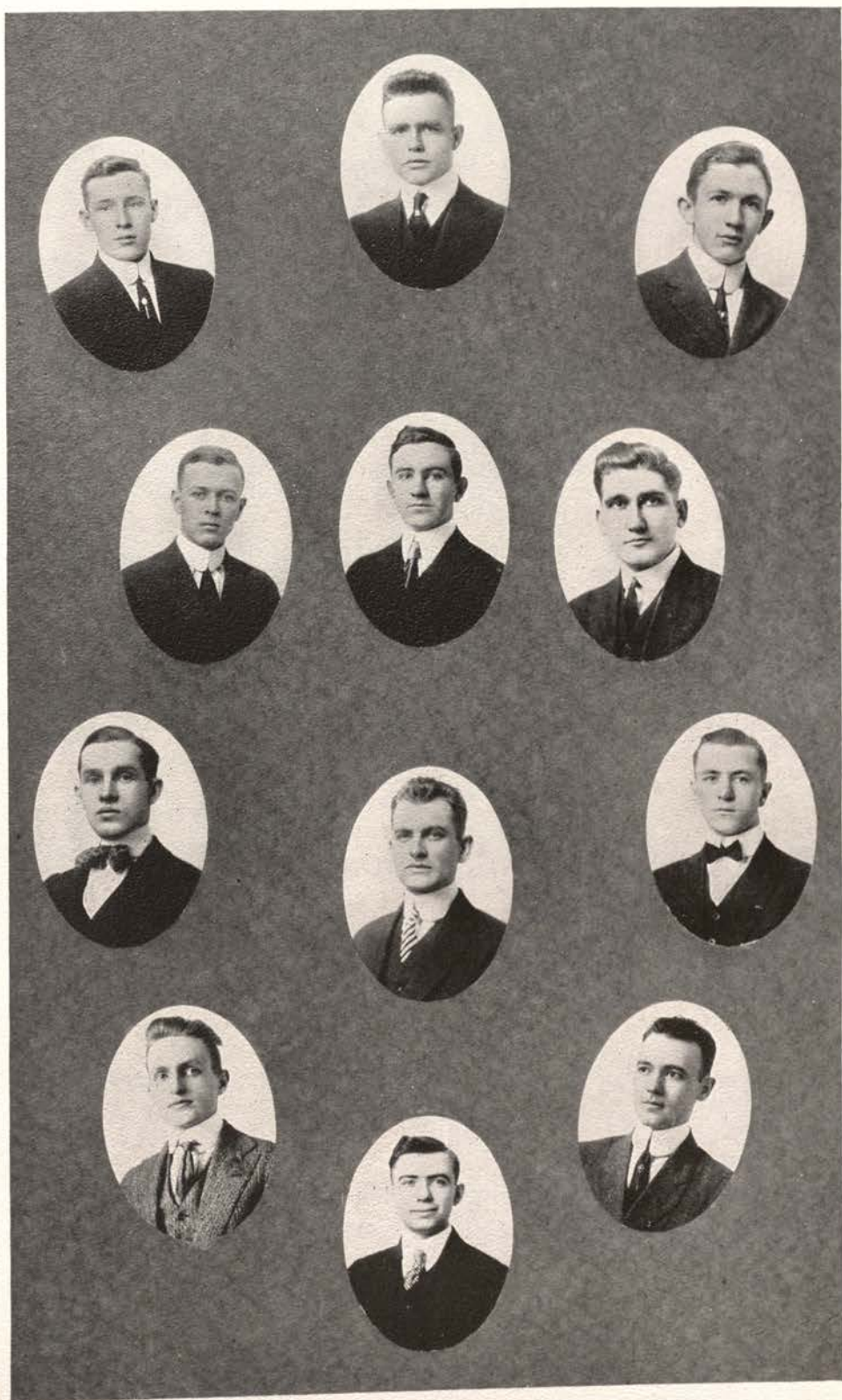
Clarence Edward Peterson,

Jacob Errol Pearman

FRATRES IN ABSENTIA

Raymond L. Farmer,

Patrick Michael Brazill.



Beta Chi Chapter of Kappa Sigma

Installed December 19th, 1903

FRATER IN URBE

V. H. Hugues

FRATRES IN UNIVERSITATE

JUNIORS

Robert Craig,
Don H. Morgan.

Gunnerd E. Johnson,
Carl G. Stifel.

SOPHOMORES

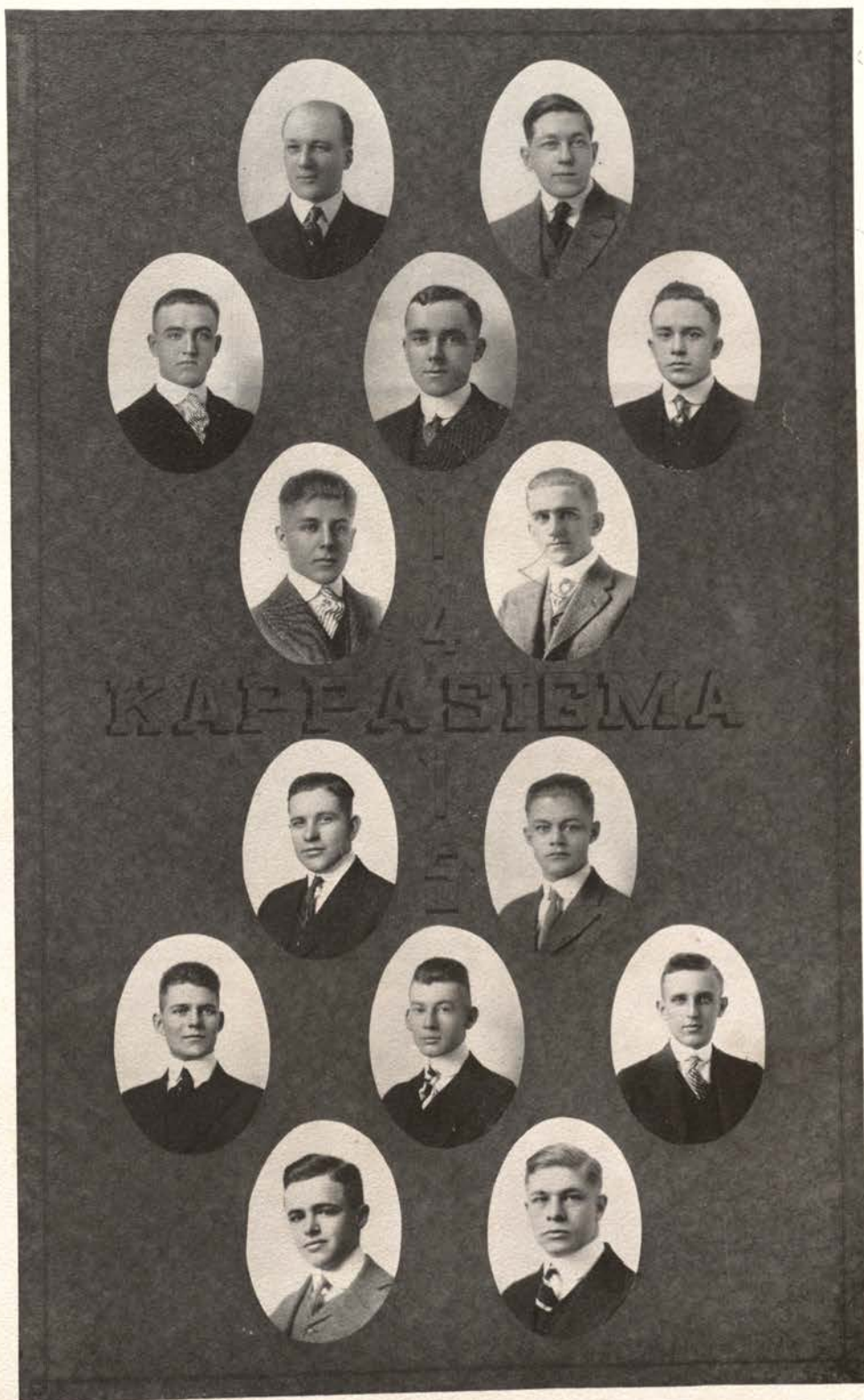
Martin F. Bowles,
Homer M. Doran,
Carl E. Klein.

Joseph C. Raible,
John J. Shipley.

FRESHMEN

George C. Barrere,
Thomas L. Dawson,

Chancey C. Moore,
William H. Reber.



Pi Kappa Alpha

Alpha Kappa Chapter

Installed December 2, 1905.

FRATRES IN FACULTATE

Horace Tharp Mann,

Donald Hewson Radcliffe.

FRATRES IN UNIVERSITATE

1915

John Warder Shotwell,
Roy Watson Griffin,

Homer Marvin Wilson,
Albert Leo Trent.

1916

Louis Wilmer Ehlers,

Robert Stanley Burg,

Howard Emerson Lillingston.

1917

James Willard Pugh,

Phillip Bassett Shotwell.

1918

Howell Smith Clark,

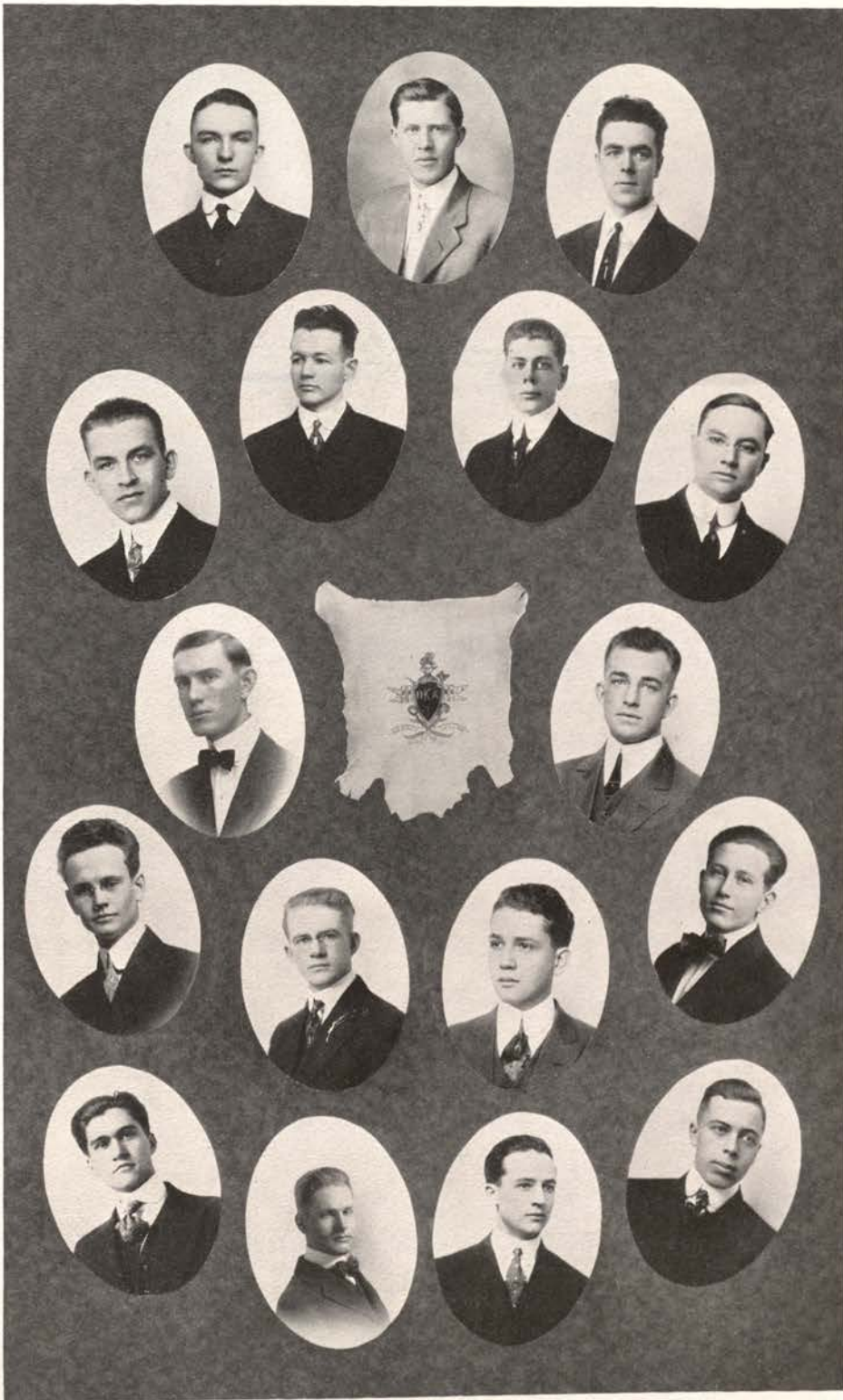
Victor Hugo Doeling,

Mark Loren Terry,

Harry Gilbert Corby,

Lawrence Edwin Miller,

John Ray Fiedler.



The Argonauts

Arthur F. Truex
Delta Upsilon
Rochester

Augustus W. Gleason
Phi Kappa Psi
Bucknell

John J. Doyle
Sigma Chi
Washington

Orion D. Neal
Alpha Chi Sigma
Indiana

Kenneth V. B. Rossman
Zeta Psi
Michigan

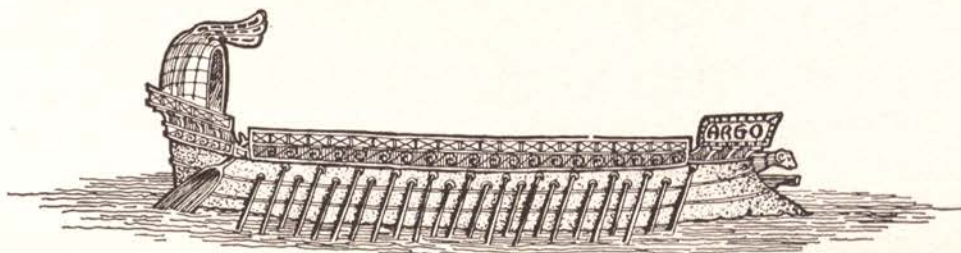


James A. Worley
Delta Sigma Phi
Texas

Donald H. Fairchild
Delta Upsilon
Illinois

Stuart St. Clair
Phi Delta Theta
Penn. State

John C. Ingram
Theta Xi
Washington





EATING-CLUBS

Grubstakers

D. W. Blaylock

E. H. Ruebel

E. A. Schroer

J. B. Cole

Y. Klepel

N. E. Ritter

L. D. Lyons

L. N. Hoppock

R. N. Gordon

J. E. Papin

E. A. Miller

K. I. Gannon

B. L. Ashdown

E. Beyer

W. C. Zeuch

T. P. McCague

G. Erskine

Wm. Benham

J. G. Galbraith

E. B. Weiberg

W. H. Freudenberg

H. E. Koch

W. A. Shaw

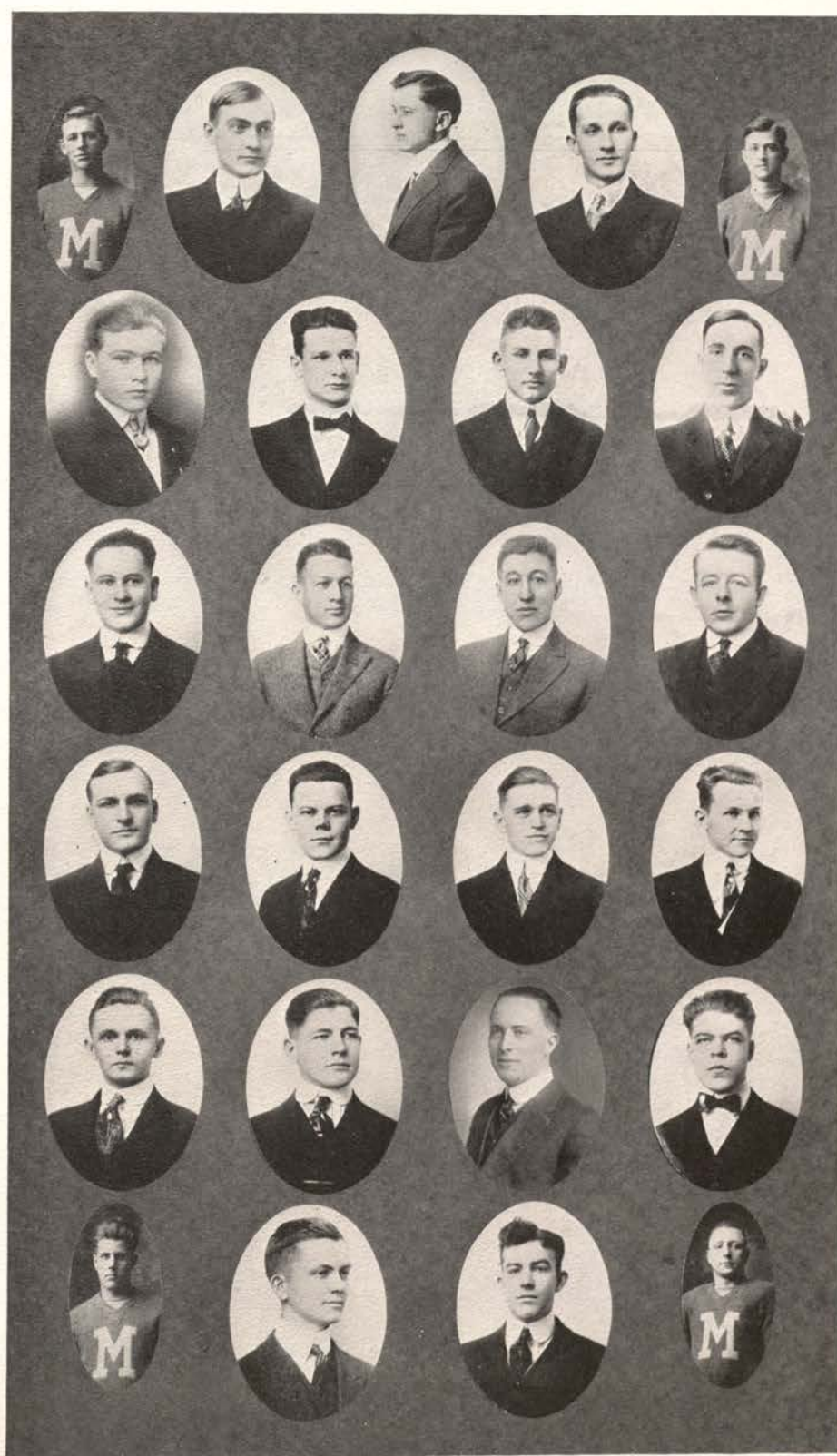
R. D. Cameron

G. T. Jamison



Muckers

L. R. Scheurer
 R. L. Bennett
 C. W. Hippard
 E. Burkhart
 K. Aid
 R. Dale
 B. E. Tate, Jr.
R. R. Robards
 H. A. Kluge
 T. J. Canavan
 R. P. Lyons
 A. L. Weeks
 J. N. Lyons
 L. C. Skeen
O. W. Steele
 J. T. Creig
 W. A. Askew
 T. F. Golick
 W. O. Brandenberger
 J. L. Imlay
 C. Copley
E. N. Murphy
 A. Potts
 F. O. Gorman
 P. D. Kern
 E. E. McCann
 J. T. Fleming



Prospectors

Harry F. Stutzer

Thomas Herbert Martin

Lester V. Whittam

Nacy F. Henson

Robert L. Massey

Maurice C. Lucky

Phillip Burton Dolman

F. P. Shayer

Louis Kaplan

Chas. Etem

Richard J. Stroup

Raoul Chavez

Felipe B. Ore

George Howard Kublin

Paul Frederick Pape

Richard Dwyer Cooper

David Greenberg

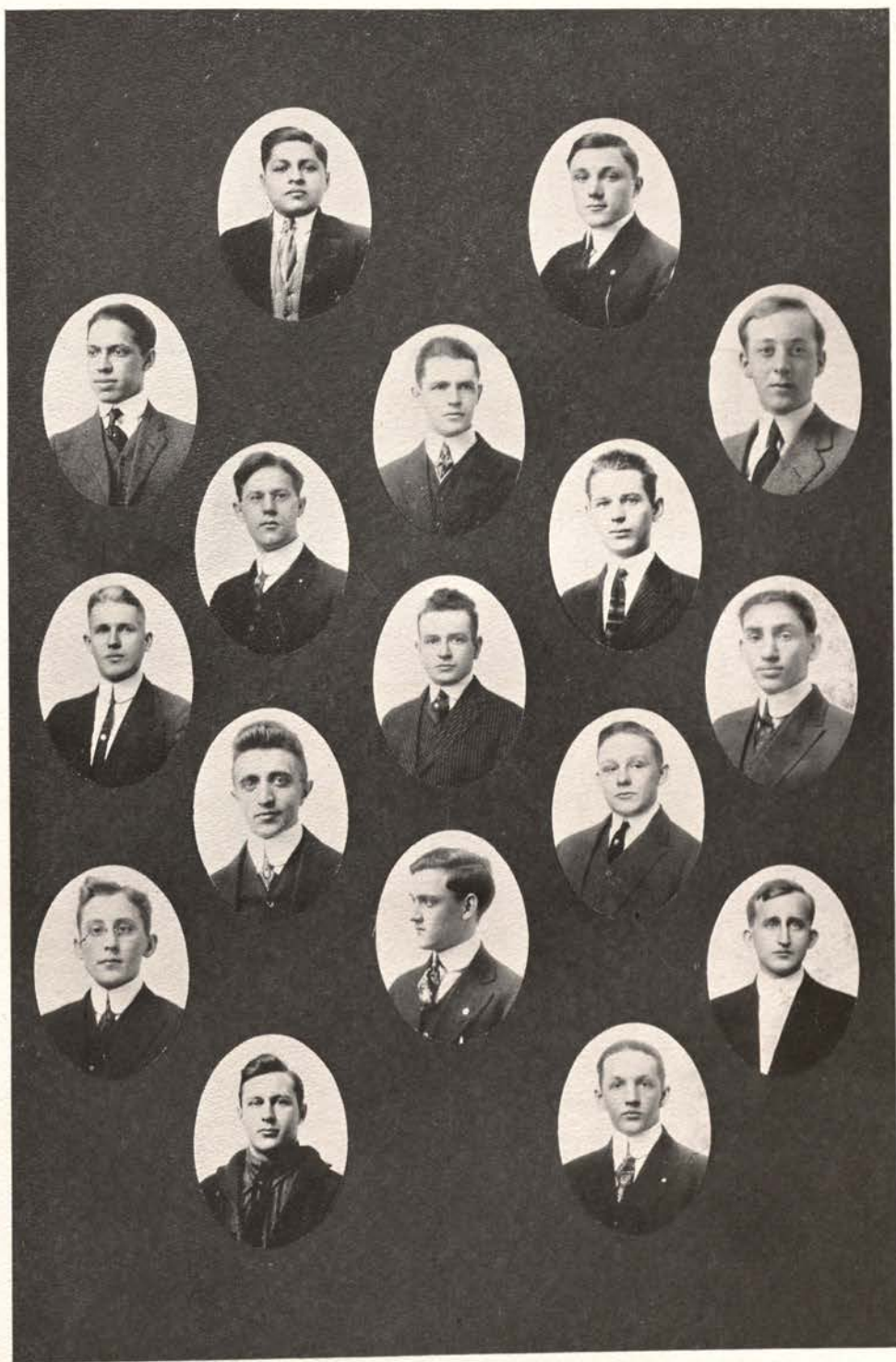
J. E. Ebmeyer

Horace Reynold Stahl

Stanislaw W. Lesniak

F. L. Dover

J. Kennedy Walsh



Corsair Club

Adams, B. W., *President*

Allen, J. J.

Barker, L. M.

Bayha, W. V.

Barton, Joe

Bardsley, C. E.

Brown, J. S., *Treasurer*

Cox, W. R.

Epperson, C. L.

Hampsch, O. H.

Henschel, R. C.

Hoffman, J. S.

Krebs, J. J., *Steward*

Lawrence, N. M.

Lawrence, H. P.

Miller, J. C.

Mit, O. R.

Skidmore, Myron

Schriver, R. O.

Teas, H. J.

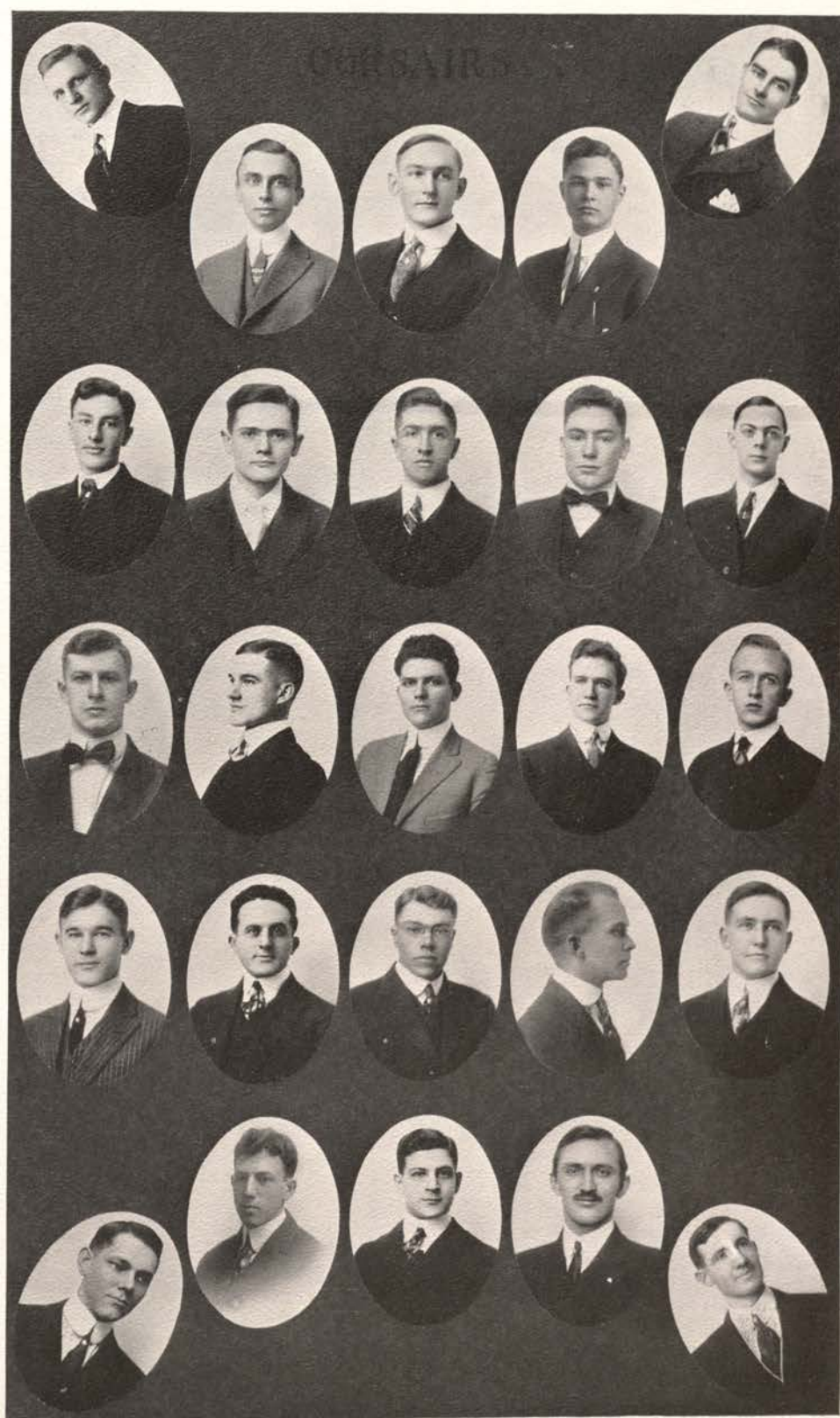
Ude, Edgar

Vogel, Herman

Wilkinson, G. T.

Young, J. T.

Weissbach, W. W.



Bonanza

V. Balderson

W. H. Boyle

H. W. Doeneke

A. F. Dunham

W. H. Fergerson

J. E. Flanders

T. C. Gerber

Chas. Gold

Chas. L. H. Goldman

C. Halley

E. J. McNely

L. Maher

A. Maness

J. R. Nevin

H. A. Neustaedter

H. L. Schiermeyer

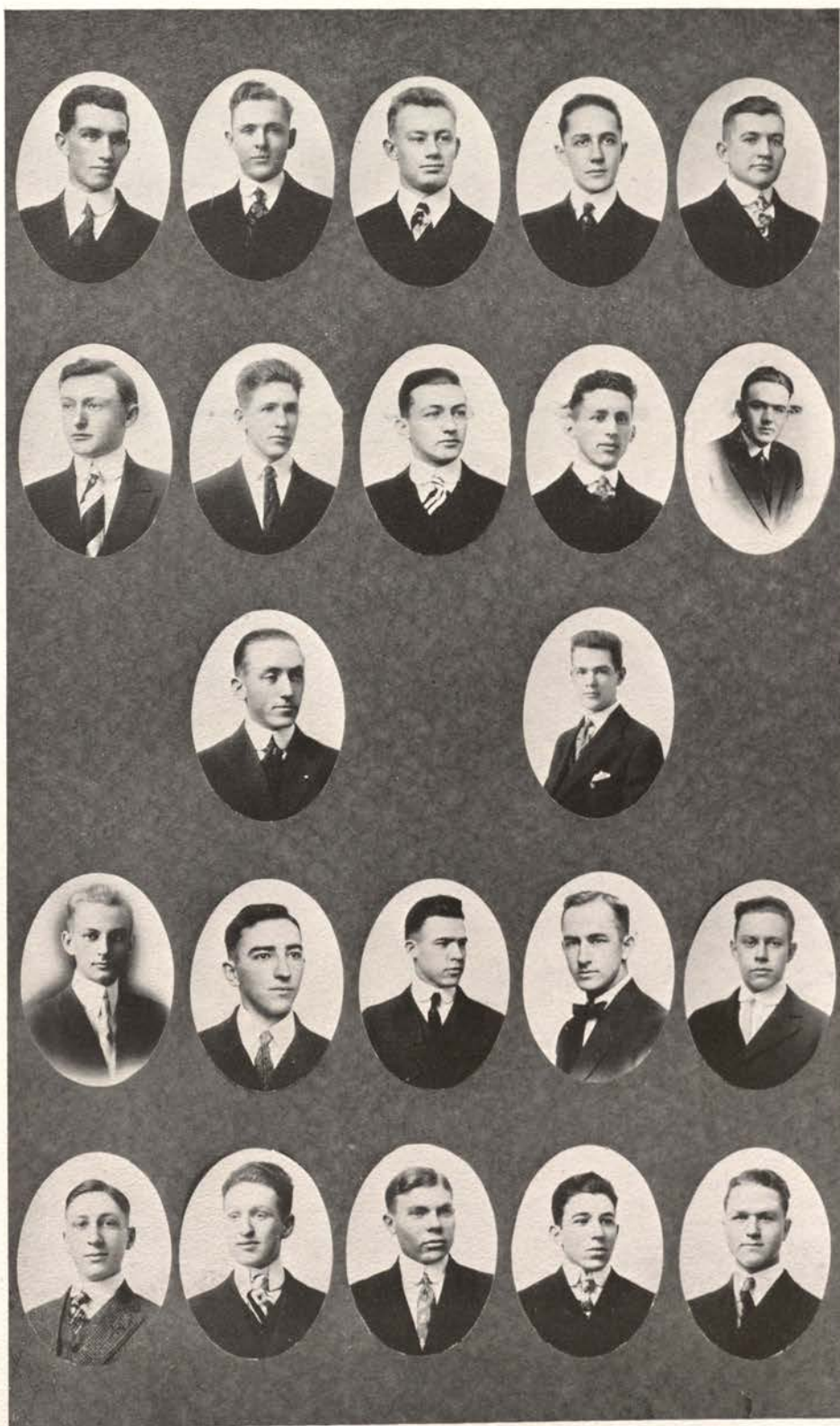
C. Schnaidt

H. O. Strawn

L. J. Zoller

H. Valentine

J. J. Dowd





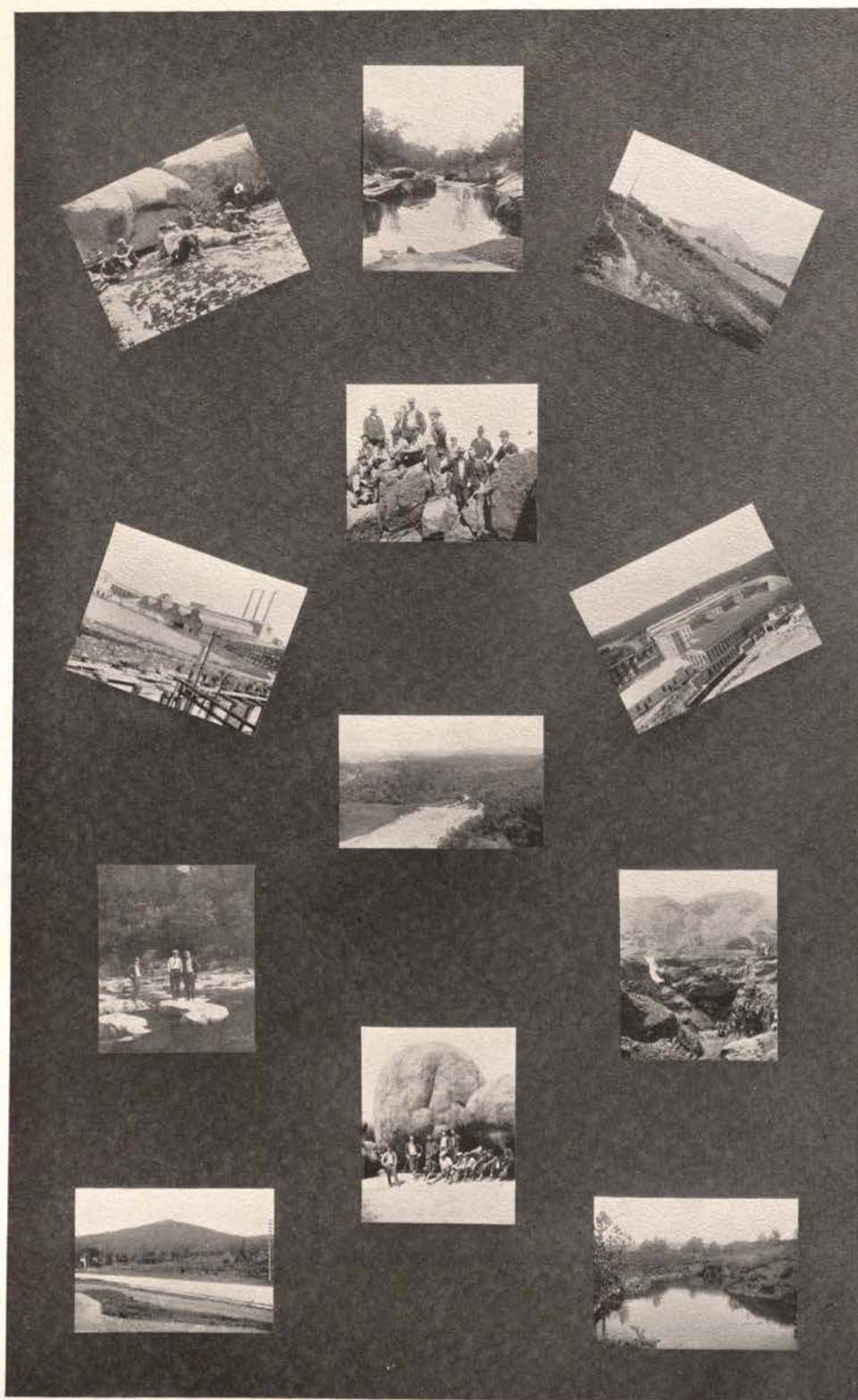
Senior Trip

If you had happened to be at the Union Station in St. Louis about 4:30 o'clock on Thursday afternoon, May 7th, 1914, your attention would have been attracted by a crowd of some sixteen or seventeen bright-LOOKING young men, waiting for the Iron Mountain train which was to carry them to Flat River. This was the beginning of the end—the start of the Senior trip which was to be the closing event in the student life of the famous 1914 Class of the Missouri School of Mines.

They were eager (?) to start, for already they had lost one day of this trip, being unable to visit the plants at Herculaneum and Crystal City as planned for Thursday. At last the train pulled out, and after a ride of about three hours southward along the river, they reached Flat River. It was a little late for supper, but they ate all the more to make up for it, and were then packed three in a room, as seems to be the custom on such trips. On Friday morning, work began in earnest, and two days were spent visiting the ore dressing mills and power plants of the Flat River district, under the able guidance of Dr. McRae, Horace Mann, and C. Yancy Clayton. It was on one of these trips that Metz pulled his famous hero stuff, and saved "True's" life by pulling him off of a belt elevator, leaving him suspended by his hands in the four-story shaft.

Most of the crowd celebrated Sunday by going to Church (?) both morning and evening—especially evening. That day also, Goldsborough arrived, and desecrated the Sabbath with his wonderful tale about "I thought the trip did not begin until Monday." He actually seemed to expect the whole class, as well as Horace Mann to believe it! After supper Sunday evening a number of the crowd went to the station to welcome their old friends, "Cheerful" Forbes and "Our Doctor" Cox, B. S., A. M., Ph. D., and to cheer them up with the news that the hotel was full—not to mention a few of the Seniors.

Monday morning was spent visiting the National Mill, and in the afternoon Dr. Cox took the crowd on a little geology walk of only six or eight miles, just to give them a little light training for the coming days. Tuesday, Professor Forbes and Dr. Cox piloted the class underground, and "Ole" originated a new bowling game by rolling boulders down a muck pile at those in the dark below him. It was reported that he hit six pins with his first boulder. After going underground Wednesday morning, and waiting for Bill Hall to read his last letter for the sixth time after lunch, Dr. Cox led his "army" forth on a little hike of twelve miles from Flat River to Bismarck. It was fine exercise, but most of the crowd were in favor of spending the railroad fare. Bismarck was reached about 4:30 p. m., and after a good supper, the chief topic of conversation was the 1914 Rollamo, which had just arrived, and which everyone pronounced the "best yet."



At 9:20 p. m., the train left for Ironton. Here the Valley Inn, a summer hotel, was opened for the exclusive use of the party, and was greatly enjoyed by all. Two days were spent here, and trips to Pilot Knob, Shepherd Mountain, Graniteville and the Arcadia Shut-in, took up most of the time. The families of Huff and Langdon, two M. S. M. freshmen, entertained the entire crowd with a big supper on Friday evening, and their hospitality will not soon be forgotten by the members of the party.

Saturday morning saw the crowd on board a local freight for Iron Mountain. Here the morning was spent in visiting Big and Little Mountain. At noon a tin can lunch was served in the grocery store, and at 3:50 p. m., the St. Louis passenger train was flagged and the crowd climbed on before the engineer could get started again. Arriving in St. Louis, the party stepped across 18th street a moment and then proceeded to the Marquette, where they took possession of two large sample rooms on the parlor floor and slept six in a room. Four days were spent in St. Louis and vicinity, visiting the Edgar Zinc works, the Federal Lead Plant at East Alton, the National Lead in St. Louis, Scullen Gallagher, Laclede Christy and St. Louis power plants. Some of the Seniors also spent several evenings "inspecting power plants," and were said to have become rather adept as "shock-absorbers."

The memorable trip ended Thursday evening, May 21st, for everyone but Goldsborough, who was compelled to return to Flat River and make up what he missed the first two days. It was a trip that will long be remembered by those who took it.

The fortunate members of the party were:

Dr. G. H. Cox	Lawrence Collins	G. F. Metz
Dr. A. L. McRae	C. C. Cushwa	F. G. Moses
Prof. C. R. Forbes	T. R. Goldsborough	T. C. Robson
Prof. H. T. Mann	C. W. Hall	R. M. Simrall
Instructor	H. E. Halsey	E. O. Stoliker
C. Y. Clayton	W. C. Hogoboom	A. F. Truex
	L. L. Lodwick	W. H. Wager

The Junior Trip

When Professor Cox came to Denver to look over the material for the Junior trip, he found assembled a squad, perhaps smaller than ever before, but a bunch rich in the qualities that go to make a trip of this kind a success. Fun and good fellowship were happily blended with the ability to absorb the stream of information which flowed continuously from the changing scenes and two loquacious professors. Griffin, Hall, Trent, Ruebel, Schroer and Kayser were at the Savoy in Denver on June 3rd, ready to start on the 1914 Junior trip.

The early arrivals had very obligingly made a preliminary survey of the city, locating the most attractive areas, and also many feeding and watering (?) places, so that they were able to tell the newcomers how to go the whole route without serious injury from excessive thirst or prolonged lack of association. Griffin and Ruebel were especially well informed in this way, having even noted that the manifold charms of Denver are more glorious after 10 p. m.

Work began in earnest on Monday morning, June 4th, and from that time until the end of the trip either Cox or Clayton had us "under the wing." A nice scheme of manipulating the crowd was followed by these two men. One or the other would work us to death in the morning, turning the remains over to the attacks of the other department in the afternoon. In this way each was prepared to give us plenty when his time came.

Among the plants visited in Denver, of especial interest were the United States Mint and the Colorado Crucible and Clay Company. The operations at the mint were very attractive, likewise the material they handled. It was with great difficulty that Bill Hall was restrained from attaching himself to a gold bar. The desire to attach himself to something was becoming imperative since his resolution to become a benedict. Other places visited were the Wilfly Shops, the American Zinc Ore Separation Company, and the Western Chemical Manufacturing Company. We were courteously treated by all, and gained practical ideas on many processes.

Colorado Springs next received our attention. Here the party was strengthened by the arrival of Stoliker. We visited the Golden Cycle and some other mills, and wandered through several gulches. Professor Cox talked about the places, Kayser asked questions, referring to the bedding of igneous rocks, etc. All this was very illuminating in its way.

The side-trip from Colorado Springs to Manitou was perhaps the most pleasant of the whole trip. The Cave of the Winds and the Garden of the Gods were great from the standpoint of scenery. One day was set aside to test our climbing ability. Pike's Peak, 14,000 feet high, was our goal. The ascent



was none too easy, and six hours elapsed before any of us reached the top; the rest came straggling after, being scattered for a considerable distance down the slope. All walked down, making the descent in two hours and twenty minutes.

From Colorado Springs we took the railroad across the divide to Victor. This road passes through some of the most beautiful mountain scenery in the United States. At Victor we visited several of the most important mines and sampling mills. At this point Griffin fell in love and a traveling companion acquired Kayser.

Back to Colorado Springs we went, and thence to Pueblo, "The City of Smelters." Much of our time here was spent in studying the construction of the various steel mills, and the flow sheets of the smelters. The work of the American Smelting and Refining Company was taken up in detail.

The next stop was at Leadville; several days were spent in this camp and vicinity. The Yak tunnel was one of the interesting things looked at. A side-trip to Breckenridge proved very successful for our purposes. We had the good fortune to see both hydraulicking and dredging of placer ground, as it is actually done. The people were very considerate for our entertainment, explaining the work and unearthing some splendid exhibits of gold for our inspection.

The large coal camp of Sunnyside, Utah, next claimed our attention. Here was our first opportunity to see the manufacture of coke. We met several M. S. M. Alumni here. They were glad to show us about the place, and seemed interested in the school. From here we went to Salt Lake City.

The capitol of Utah was new to most of us—as were the Mormon girls. However, Trent and Schroer soon established friendly relations, and seemed to feel at home among them. Side-trips were made to Garfield, Bingham and Tooele. The magnitude of the mining at Bingham was a revelation. Only by seeing it can one realize its dimensions. Our trip to Tooele was the last. That evening Professor Cox invited each and every one of us to a general quizz. All having passed this we were free to go our way.

Some of the fellows remained in Salt Lake City a few days, awaiting the "means." Some departed for the wheat field, which, according to Griffin, with \$2.50, working from 5 a. m., to 9 p. m., and nothing to do until next day, together with the splendid eating, offered a rare opportunity. However, it did not appeal to all.

As we disbanded, each felt that one more of the big things we had been looking forward to since we first entered school was over; and looking back we could not help but see why the Junior trip is worth while. It is a long step toward experience and that acquaintance with a variety of mines and mills so necessary to success in our profession.



Sophomore Miner Surveying Trip

True Miners they were-not, full twenty of them, that assembled at the hotel in Edwardsville, Monday morning, June 1st, 1914, on the quest of learning the secrets of underground trails. But Miners they were, indeed, when they homeward bound their weary ways the evening of that selfsame day, with feet tired from tramping and lamps bumped and bent from the rude handling of the over-head timbers of the Madison No. 4.

The day was spent in a tour of inspection of the mine, a study of the mine maps and the planning of a route to survey, and a trip through the mine, accompanied by the mine boss, in a train drawn by an electric locomotive. Then after a long tramp underground with "Goldy" in the lead going "n" miles per hour, we had lunch, and then adjourned to the hotel. It was quite a sight to see the swarm in the one bathroom, six bathing at once. Next day the azimuth was carried underground by the two wire method and from there eventually to the other shaft and checked by a surface survey between the same points.

Many "boneheads" as usual, and many pleasant times marked our trip. Mrs. Miller, "Kelly's" mother, gave us a party which we enjoyed very much and at which we met many girls, so many in fact that there was a whole day's delay in the work due to the fussing of a few of the mining engineers (?). Perhaps Krebs, "Jimmy," "Deut" or "Mac" can give more details.

Some peculiar phrases will be long remembered, as for instance, "I and Rusty," "Self-starters," "How much further is it to the next turn," "Gie, I just found twenty feet." And the day we left when the floors of the hotel corridor and parlor were covered with maps and the hotel people had to pick their way around them.

Then, too, the balmy nights when nice cool soda water with "suds" on the top, served from a bottle, could be had across the street; or possibly the same time be spent on the hotel porch watching the evening crowd of pretty (?) girls on their way to the picture show.

Finally the time came, as all times will, when we had to leave, and it was with a sigh of regret that we relinquished our claims to the ones who this year must follow.



Green Cap Day

Do you remember your first day in Rolla when, as the sun sank lower and lower, a chill crept higher and higher up your spine? Do you remember how you bolstered up your courage by indulging in the delusive hope that the fourteen whiskers that adorned your visage would pass you off for at least a Junior; and how you clad yourself in your "Sunday best" to march forth and conquer the hearts of all the fair damsels of Rolla? Alas, for hope; alack, for conceit. Your red necktie belied you, and the only damsel that you met during the evening looked on, as you, under the diligent supervision of a Sophomore, busily urged a match along the brick pavement with your nose. Or perhaps you did not wander forth the first night, but crept quietly into bed feeling confident that no one in the world knew where you were, when suddenly your door was rapped so violently as to almost knock out the panels and a gruff voice demanded your ignominious presence at once. Your anatomy was seized by a combination of paralysis and sophomores, and you were escorted forth in your "evening attire" to admire the beautiful scenery neighboring the cemetery. Did you ever elevate yourself to the top of a telephone pole with the assistance of a few barrel staves in the hands of murderous sophomores, and from this uncertain height growl threats at the moon? If you have never experienced any of the foregoing, if you have never jumped at conclusions, never given your high school yell and never worn your shirt "Chinaman fashion" you have missed the great introduction to a college career.

These little favors are bountifully, yea, graciously, bestowed upon all the freshmen entering the Missouri School of Mines; but this is not all. These are only incidents leading up to the great climax—Green Cap Day. During the first week of school these little "warming-up" parties were nightly affairs. One morning the freshmen awoke to find brilliant posters posted in every conspicuous place possible, warning them about their conduct and requesting them to be fully respectful to their superiors. The freshmen retaliated by putting up their posters. These were equally as brilliant as the sophomores' posters and were seething with uncomplimentary words and strong advice. Unfortunately only a few of these were posted before the sophomores were aware of what was going on. This immediately stopped the proceeding and those that had been posted were removed by the men who posted them.

At last, the Sunday previous to Green Cap Day came. Along about sundown the freshmen began their slow retreat to some point outside the city limits,—for it is the law that no freshman can remain in town on this night without the risk of life and limb. This year the freshmen retreated to the fairgrounds, a favorite place for this yearly freshman camp. As the fair was to start that week many tents were already pitched and these were available for sleeping



quarters. The night was not spent in peaceful slumber, for the enemy "kept the outpost going" by repeated visits of their scouting parties. With the arrival of the morning sun the freshmen made their way back to town, ready for the big scrap. They were for the most part a very careworn and sorry looking bunch and none of them in good condition for the all important contest for superiority between the freshman and sophomore classes.

At the suggestion of some of the freshmen the members of the class decided to grease their arms before going into the tussle. This was to make their defeat more difficult by enabling them to slip the holds that the sophomores were to try on them. While all this was going on the sophomores were by no means idle. They spent much time in preparing adequate posters to adorn the conquered freshmen while in their parade through the town. A number of humorous stunts had been planned and some costumes were prepared in readiness for the outcome of the battle.

At the appointed time the Field Officers gave the signal for the combat to commence. It was a furious contest that followed. Legs, necks, bodies and arms were so entangled that it was difficult to see who was winning. Everywhere cries for help were heard: "Help, '18"; "Help, '17"; "More pep," and "Darn these greased pigs!" were the calls from the two classes. Slowly the ranks of the freshmen were depleted; and one by one they were carried to the sidelines. Twenty-seven minutes marked the close of the contest and found the freshmen all securely tied and ready to execute the wishes of the conquerers.

Adorned with placards of all descriptions and a little the worse for "wear and tear" the defeated freshmen were marched through town. After this they were led to the athletic field where they were put through a number of foolish stunts. From here they were marched to town and were asked to buy Green Caps. These were worn till Thanksgiving Day.

Thus passed into memory the Green Cap Day of 1914, and of the Class of 1918. Another class had duly qualified itself to be worthy of the name, MINERS.



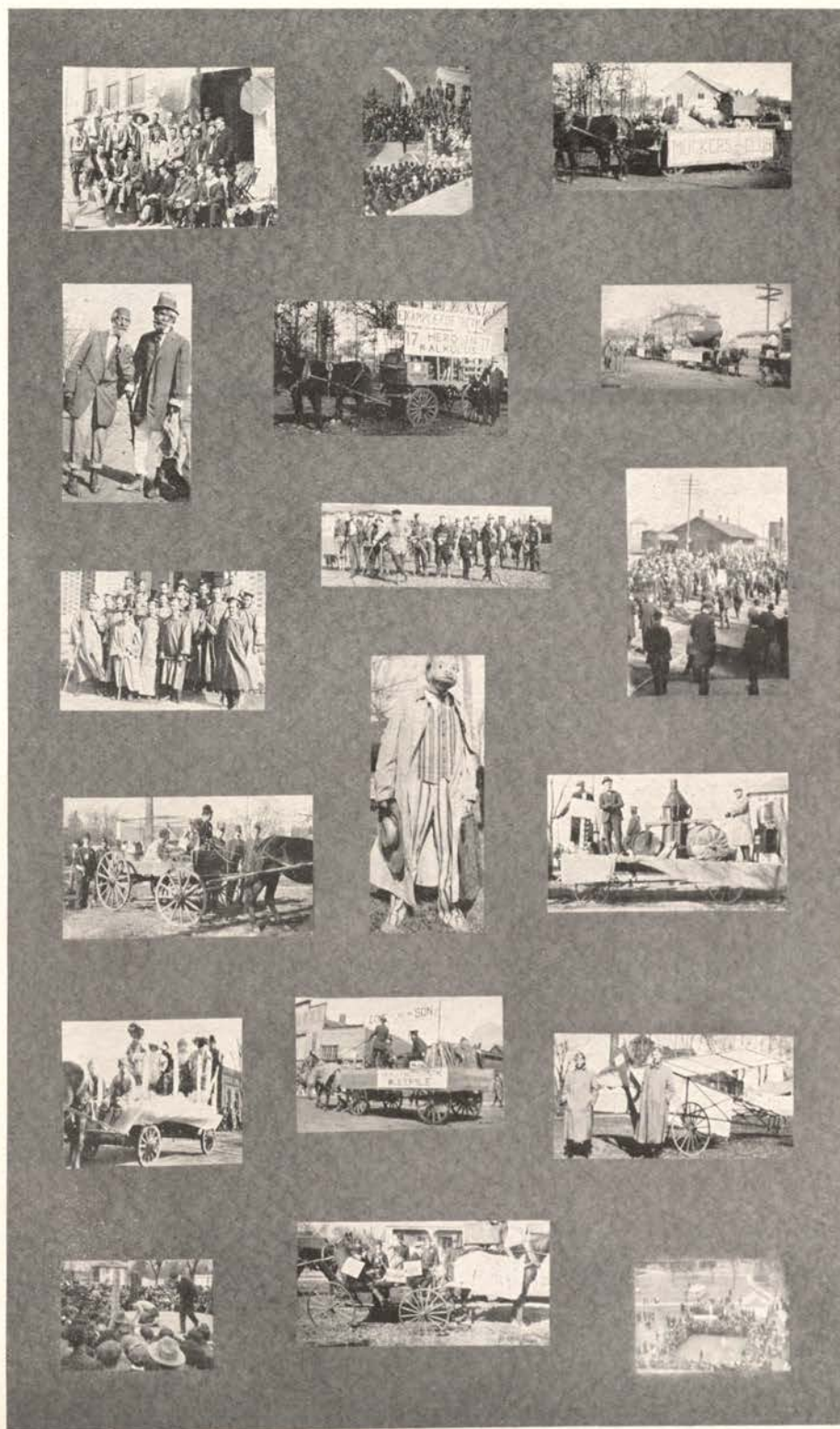
Saint Patrick's Day Celebration

After much worry on account of bad weather, St. Patrick's Day dawned clear and cool. By nine o'clock, Marshalls Dunham and Deutman had the monster parade organized and at the Frisco Station ready to receive Saint Patrick. The dear old Saint arrived in his usual way and mounted to the seat of honor in his float. The long procession of many floats, and individual stunts led by Saint Patrick himself, passed through the main streets and then to Norwood Hall. There a chorus of young ladies sang several Irish songs and then J. J. Doyle as St. Pat, appeared. After a brilliant address in good old Irish brogue, Saint Patrick knighted the Seniors, Professors Cox, Harris, Dake, and Coach Kelly.

In the afternoon a short carnival was held on the campus and then the multitude crowded itself into Parker Hall where the "Wheatfield Follies" were presented. The "Follies" consisted of moving pictures, music by Masters Harry and Max Gold of St. Louis, Dr. Wooton of Rolla, M. S. M. Mandolin Club and Scott's Orchestra.

As a finish, "Bridge's Cat-Astrophe," a one act sketch by Lucian Erskine, was presented. This play was supposed to show "inside relations" existing between the "students" and the "faculty" and was well received by the students and guests.

In the evening the Annual Mask Ball was held in Mechanical Hall. The Hall had been beautifully decorated in the Junior Class colors, and the good old Irish Green, and certainly made a beautiful scene. A multitude of masked couples and excellent music added the finishing touches.



The following cast took part in the play:

"BRIDGE'S CAT-ASTROPHE"

Characters:

Ridge, a professor (?).....	H. Vogel
Walter Coyle, a junior.....	F. Elfred
Raymond Jonesie, another junior.....	H. Ambler
Jackie Carson, a ditto.....	F. Gorman
B. Weiser, a senior.....	E. Kayser
Charlie, a barkeeper.....	R. Bennett
Bryan Cashdown, a waiter.....	B. L. Ashdown
Samuel Levy, a merchant.....	Abe Kaplan
Bill Goto, ditto.....	E. Kayser
Prof. Bean.....	W. Freudenberg
Prof. DeBoss.....	H. Lillingston
Prof. BeRay.....	D. Fairchild
Prof. Lottstalk.....	R. Velasco
Prof. Peter Jimmy, Jr.....	H. Lawrence
Prof. Rake.....	T. Dawson
Prof. Bone.....	Abe Kaplan
Waiters, Professors and Students.	

SCENE I.

Interior of Barcade Saloon.

Olio.

Orchestra.....	Selections
A. W. Blair.....	Solo

SCENE II.

Grounds surrounding residence of A. Puddle.

THAT'S ALL.

NOTE—The audience is respectfully requested, in showing their appreciation of the "Follies" to refrain from presenting any foreign matter (NEUTRALITY FIRST) either animal or vegetable.

Moving pictures were taken of the parade and these should do much good in advertising the celebration at Rolla.

Too much praise cannot be given to the members of the St. Pat's Committee for putting on the "best celebration ever held in Rolla."



Senior Banquet

As all preceding classes, we again refer you to accounts in the St. Louis papers for a review of the memorial Senior Banquet of the Class of 1915. All the enthusiasm of our Junior Banquet, with such additions in the menu and program as the place permitted marked our Banquet.

Junior Banquet

The third annual banquet of the Class of 1916 was held February 27th. As the banquet hall of the "Rolla Country Club" had degenerated to the Union Mission, the banquet was held in the hall above Charlie's Billiard Parlor. We had nothing to fear from either faculty or mis-directed Freshmen, and that saved the committee much worry. "Jimmie" Allen presided as toastmaster and short talks were made by Grotts, Adams, Doyle, Gold, Head, Johnson, J. C. Miller, Skidmore and Tompkins. Professors Ingram and Clayton, E. H. Woolrych, Mr. Tompkins, Mr. Graves and Mr. Craven were present as guests of the class. Entertainment was furnished by Miss Vernon, Miss Mooney, Miss Adams, Miss Bohres and Miss Eller.

“The Tollin’ O’ the Bells”

O, ha’e ye haird the story?
 O, ha’e ye haird them tell?
 O, ha’e ye haird the story?
 The tollin’ o’ the bells?
 The story o’ the glory o’
 The tollin’ o’ the bells!

O, ha’e ye kam t’ hear kin?
 Then sit ye doon, ’n’ ken
 I’m tellin’ o’ the story
 O’ boon ’n’ bonnie men!

O, ye who in ye’re bosoms,
 Doon, doon beneath ye’re hides,
 Doon, doon beneath ye’re flannels,—
 Where’s lang ’n’ lastin’ pride!
 Do ha’e a mighty ocean!
 Or e’en a tear t’ lend!
 I’m tellin’ o’ the story
 O’ boon ’n’ bonnie men!

* * * *

High up among the mountains
 There once in grandeur sat
 A sleek and lordly tiger—
 A great and gorey cat.

How fine a legislation!
 So did he wield his wand—
 Defied the very heavens!
 Subdued both sea and land.

So fearless his demeanor,
 So strengthened his panting sides—
 He roamed at will the forest,
 Or scaled the mountain sides.

There dwelt beneath that mountain,
 Far out upon the plain,
 An unpretentious miner!
 Nor mighty was his fame!

He kept a simple cabin;
 And, keeping, kept it well.
 Nor feared he any rumors—
 A ponderous tiger’s hell!

Each day about his duties
 He simply came and went
 Nor went he once for carnage;
 Nor once on pillage bent.

He was a learned miner—
 Wide nature was his school!
 Where learned he truth and honor!
 And he was no man’s fool!

He had a heart, that miner!
 O, for a heart like he!
 “My kingdom” for another—
 Another such as he!

There once did come a-piercing
Upon the Autumn's air,
A wild and fiendish challenge—
A scream—a common dare!

There once did stand a-gazing
From out his cabin door,
A simple-tasted miner—
A-gazing, nothing more!

He looked; and standing, looking,
There to the northward saw
A sight that filled his nostrils!
Still lower hung his jaw;

Until, as one reflecting,
He smiled! and hung his head.
He turned into his cabin—
He smiled! but nothing said.

An ill reputed rifle
About him rudely swung.
He closed the door behind him;
That day—the miner won!

* * * *

O, ye, who in the mornin',
The blossom o' ye're day,
Would ha'e a finer tellin'
The man-and-tiger fray—

O, gang ye doon t' Rolla
Where, fast among the hills,
Doth be a peaceful village—
Bespeaking "Peace—good will."

O, where the water's flowin';
Where's singin' in the vale;
O, where the breeze is blowin'!
Where's bracken in the dale.

Where e'en the little children
A-laughin' in their play,
Will tell ye o' the story—
The man-and-tiger fray!

They'll tell ye how a miner
Went out 'n' killed a cat!
'N' how the hungry buzzards
Were poisoned on his fat!

'N' how, for all his vassals,
His "widows" 'n' his wives,
They stript him o' his raiment—
His TWO 'n' SEVEN lives!

'N' how they took his carcass,
'N' rode it on a rail!
'N' gave him to "the god of storms,
The lightning and the gale."

O, ha'e ye haired the story?
O, ha'e ye haired them tell?
O, ha'e ye haired the story?
The tollin' o' the bells?
The story o' the glory o'
The tollin' o' the bells!

E. McMAKIN.

The Gentleman Mucker

BY BERTON BRALEY.

(Reprint of the *Engineering & Mining Journal*)



The gentleman mucker comes out from the East
In his niftiest college clothes,
With the legs of his trousers nicely creased
And the classiest sort of hose.
But he changes his tweeds for overalls,
His coat for a flannel shirt
And down on a level he works like the devil,
Shoveling copper dirt!

For he is a gentleman mucker
Who's learning the miner's trade,
Who acts as an ore-car trucker
And pushes it up the grade.
He has to sweat, you bet, to get
The wages that he is paid;
But he's learning a lot in his new employ—
The gentleman mucker's Quite Some Boy!

The day's work ends and the miners troop
Toward home or a near hotel,
And the gentleman mucker eats his soup
And his porterhouse steak, as well;
Then he tumbles out of his flannel shirt
And his muddified overalls,
And away he goes in his evening clothes
Making a round of calls!



For he is a gentleman mucker
 In the swellest of "happy duds,"
 In his nobbiest bib and tucker
 His shirt with its gleaming studs.
 At night, all right, he's a handsome sight,
 The gayest of gay young bloods!
 The hostess' pet and the ladies' joy—
 The gentleman mucker's Quite Some Boy



The gentleman mucker learns the ropes
 And he talks in the miners' slang,
 Of "chutes" and "raises" and "sumps" and "stopes."
 Of mining he gets the hang,
 And the first you know he's a man of fame
 And boss of a mine or two,
 And he digs no more in the copper ore
 With the mucking job he's through!



But he's proud he was once a mucker
 Who worked in the mine below,
 This fellow who wouldn't tucker
 But ever was on the go.
 A man whose plan was "Sure, I can,
 If you'll give me half a show!"
 A right good man in a good employ—
 The gentleman mucker's Quite Some Boy

Lyceum and Picture Show Review

Following the disbanding of the Y. M. C. A., the Rollamo Board took over the Lyceum Course. The course had been arranged by last year's Board, and we feel that they made a good selection. From a financial point of view the course has not been exactly a success, but we do not think that the numbers could have been improved upon. A good course has been arranged for next year and we hope that the 1916 Board will be more successful.

After some time spent in dodging Collector Kinney and the City Officials of Rolla, the Picture Show finally opened. The freshmen insisted in believing that Parker Hall was down at Charlie's, and accordingly spent their money there, so the Show was not much of a success until after Christmas, when a change of film service and a little boosting did wonders. From then until the present the Picture Show has been a decided success.

Commencement 1914

The annual Commencement Ball was held in Mechanical Hall on Friday evening, May 29th, 1914. The hall was nicely decorated, being decorated on a plan similar to that used at the St. Patrick's Day Celebration.

The following program was presented:

Commencement Address..... "The West"

Frank Strong, LL.D.

Chancellor of the University of Kansas

Address..... Albert Ross Hill, LL.D.

President of the University.

Reading of the Titles of the Theses.

Conferring of Degrees..... By the President of the University

DEGREES AWARDED

ENGINEER OF MINES

True Walter Blake, B. S., 1911.

Guy Henry Cox, Ph. D., Wisconsin, 1912.

Carlos Enrique Elmorey Guerra, B. S., 1911.

Matthew Vincent Quinn, B. S., 1905.

Harvey Edson Smith, B. S., 1910.

Arthur Fuller Truex, B. S., Rochester, 1908,

MASTER OF SCIENCE

Theodore Saunders Dunn, B. S., 1910.

BACHELOR OF SCIENCE IN MINE ENGINEERING

Leonidas James Boucher,

Tirso Castillon,

Claude Calvin Cushwa,

Clyde Willis Hall,

Howard Gove Halsey,

William Coryell Hogoboom.

Gilbert Frank Metz,

Frederick Galloway Moses,

Tomas Robson,

Riley Marsh Simrall,

Edmond Otis Stoliker,

Walter Henry Wager.

BACHELOR OF SCIENCE IN METALLURGY

Joseph Cooper Finagin, Jr.

Thaddeus Reamy Goldsborough.

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Enoch Ray Needles.

BACHELOR OF SCIENCE IN GENERAL SCIENCE

George Elmer Abernathy,

Gustav Axel Hellstrand,

Mervin Joe Kelly,

Llewelyn Lodwick.

Roy Nicoll McBride,

Julius Charles Miller, Jr.,

Orion Dexter Neal,

John Nixon Webster.

Fowl Stuff

Wha' yo' got b'neaf yo' coat?
 Wha' yo' tryin' hawd to tote?
 Am dem fedders, wha' Ah see?
 Dat's a chicken! Goodness me!
 Bruver Johnson!

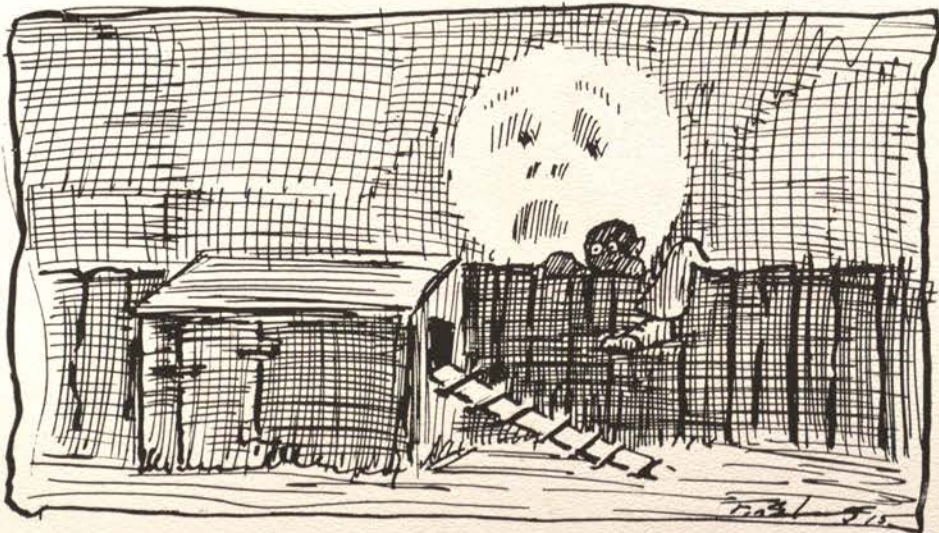
Don' yo' conscience eber feel,
 Dat it's wrong to go an' steal?
 Don' yo' know, de wicked Satan
 Sent de chicken? Now he's waitin'
 Fo' yo' soul!



Won' yo' feel de sin yo' doin',
 When yo' smell dat chicken stewin'?
 He jes' sent dat hen to try yo',
 Fo' his fu'nace, now he'll buy yo'
 Bruver Johnson!

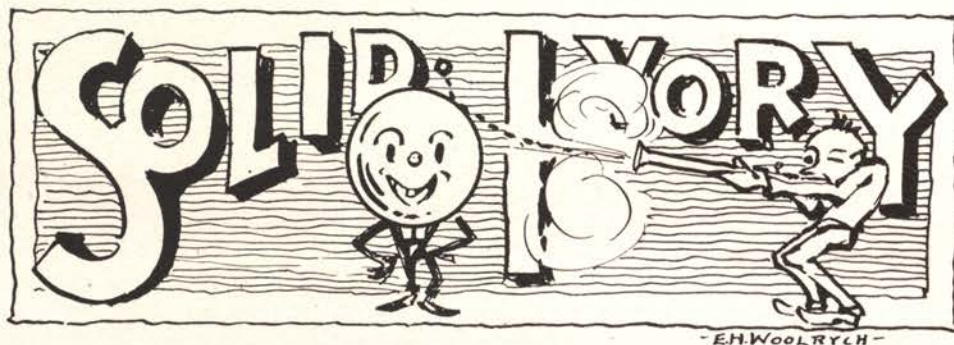
Pa'son, lis'en—did de debil
 Send dis chicken? On de lebel?
 Jes' to tempt dis onry niggah?
 Pa'son, heah's de way Ah figgah
 Dat poor debil—Pa'son Mose,
 Lost his chicken—Dat Ah knows.
 Po' debil.

—J. Kennedy Walsh.



JOKES





FORMATION OF GOLD VEINS—BY A FRESHMAN

In early times when the earth was moving or an earthquake occurred, the rocks cracked allowing the gold nuggets to fall and making a cement to hold the rocks together.

IN POWER PLANT

Dr. McRae: "What is a self-supporting stack?"

McNely: "It is a stack which pays the interest on the investment by using natural instead of fan draft."

IN CONTRACTS.

Prof. Harris: "Mr. Bayha, what is a nuisance?"

Bayha (thoughtfully): "Some poor boob playing a violin at midnight." (Wonder who it could be?)

IN FRESHMAN MINING.

Gold was used by the *early* ancients more for its lustre than as a value. (Freshman Mining Quizz.)



HEARD IN ECONOMIC GEOLOGY

"A fracture was formed extending into this molten, gaseous material."

"Porphyritic texture is due to a molten magma flowing up to the surface and picking up the large crystals of the different minerals as it flows. Then after cooling these large crystals are intruded in the rocks. If the crystals are larger than the background they are termed phenocrysts."

IN FRESHMAN MINING

"Placer nuggets *is* found in gravel beds where "iceburgs" have slid down the slope of a mountain crushing the rock then melting and leaving large beds of gravel."

IN PHYSICS

"Double refraction results from ellipsoidal instead of spherical observation."

"The rainbow is an example of double refracted light."

Skid: "Say, Bayha, let me take your order for a calendar."

Bayha: "Why don't you try Bridge? He buys all that sort of trash."



WANTED—Experienced miner to mine mineral water. Must be a good swimmer. Write A. Mark, % Wheeze.

Prof. DeMoss: "Kayser, I will do anything that I possibly can to help you."

Kayser: "That's *awfully* sweet of you, Professor."

Prof. Harris: "Hampsch, how many gallons in a cubic foot of water?"

Hampsch: "Sixty-two gallons to a cubic foot of water."

CALCULUS DEFINED BY PROFESSOR DEAN

"Calculus is a calculation for calculating all calculable calculations which are calculated to be calculable."

In Thermo: "Wet steam is that which contains dry particles of water."





PROF. BRIDGE FINDS THE ODORIFEROUS SPECIMEN.

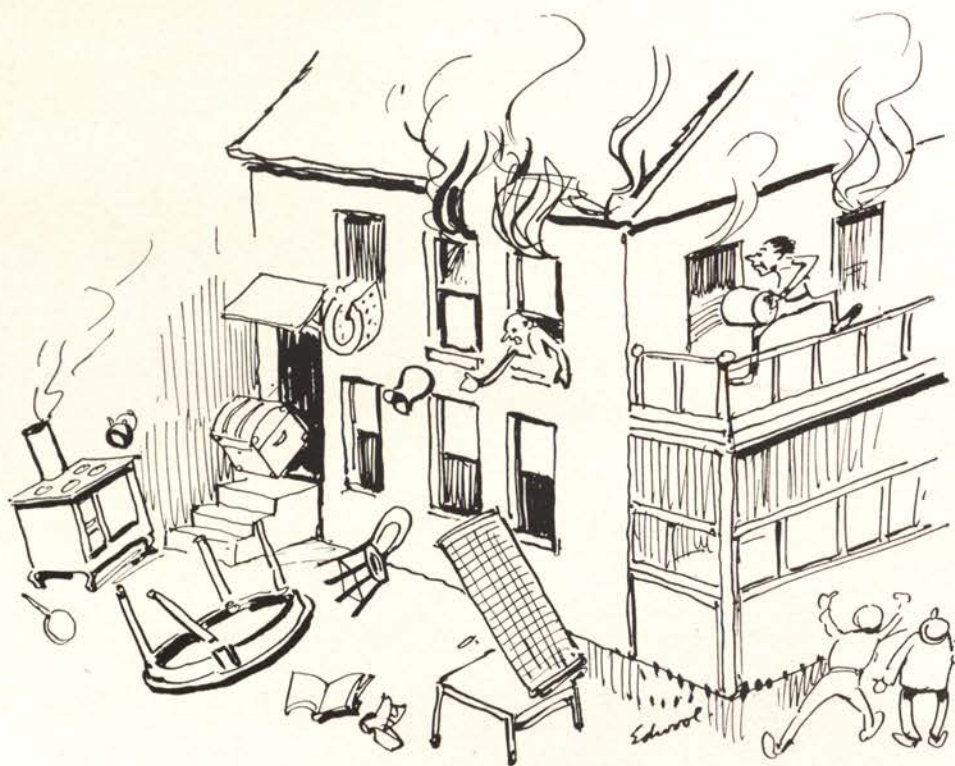
"A horse is a portion of a nonmineralizer sometimes found in a vein."

"A lense is a part of the wall that has fallen into the body."



FRESHMEN MINING QUIZZ:- The principle non-metallic product of Missouri is MULES.

"The Homesteak mine is located on boundary between Eutah and California."



Ingram (in Freshman Chemistry): "Nichols, take a "whiff" of that ozone and tell us what it smells like."

Nichols: "Smells like watermelons."

Ingram: "No. It smells more like a September morn(ing)".

Freshie (in Chemistry Lab.): "Where is some of that there metallic hydrogen?"



Teknickel Publikachuns

Treatise on Frisco Train Service.

N. M. Laurence.

Determination of Zirconium in Calcium Carbonate.

R. S. Deen.

How to Run a Football Team.

Dr. Baysinger.

Relations Existing between "the student," "the Professor" and "the text."

E. G. Haris.

A Study in Sophomores.

G. R. Deen.

Our Newspaper Experiences.

Headd, Johnson & Grotts.

Why We Have a Y. M. C. A.

H. J. Schiermeier.

Standard Methods of Ore Dressing.

H. T. Man.

How to Ask Fool Questions (in IV Vols.).

H. A. Neustadter.

Metric Conversion Tables.

Lister M. Commings.

The Functions of the Student Council.

G. Coumann.

The Inspection and Maintenance of Tracks.

J. Krebs.

Club Organization.

Skidmore & Dowd.

The Process of Acquiring Culture?

"Shorty" and Retemmag.

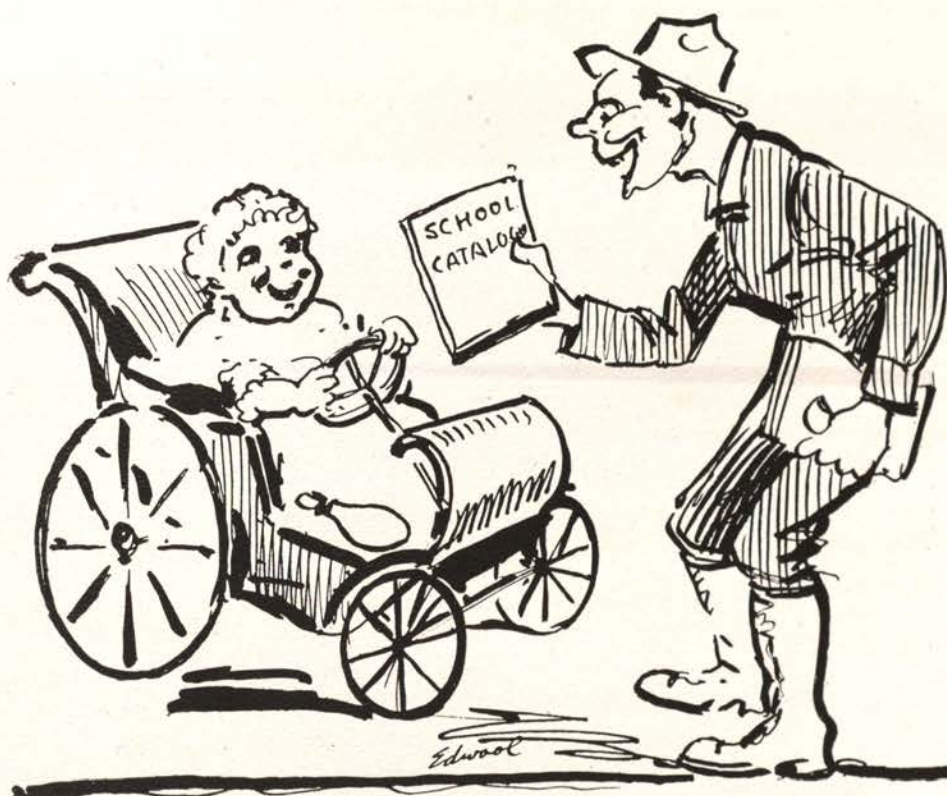


Among Our Jokes

The 1915 Rollamo

Published annually by the Students of the
Missouri School of Mines and Metallurgy





SELLING RENECK A SCHOOL CATALOGUE FOR 'TWO BITS'

The

M

I got in football.

The

M

I got in Thermo.

"Goldie": "Say, Adams, was that Miss Adams, who helped entertain us at the Junior Banquet your sister?"

Adams (indignantly): "No, you poor boob. What made you think she was?"

"Goldie": "Oh, I thought you acted rather familiar with her, that's all."

Supposed Jokes?

EXTRACT FROM A CON-EXAM.

"A prism is a crystal whose faces are parallel to the *sea* axis and intersect the other axis."

"The Comstock Lode on line between Colorado and Nevada."

"'Argillaceous' means it contains argil. It is a composition which contains alumina."

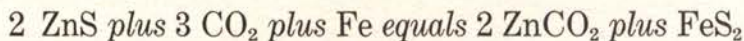
"Contact metamorphism is when two rocks come together and bind one into another."

"Thermo-pile consists of a *horn* placed in line with a candle at a known distance away."

Jasper: "(sedimentary) zinc silicate."

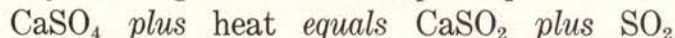
Bauxite, "is of hydrothermal or oolitic origen."

The formation of Smithsonite by alteration of Sphalerite in nature is given as follows:



"Serpentine asbestos is decomposed Feldspar."

"Clacial clays coming over the earth pick up these sand grains."



The Hobo Engineer

Oh, for the life on a rumbling freight,
When the boxcars lurch and swing.
A glance up the track—a glance at the ground,
A grab! a run! — a spring!

The engine shrieks, the pistons sneeze,
With a whistling, steaming cough.
The carwheels groan, as they scrape the rails,
Good-bye, little town—we're off!

Sitting upon a swaying freight—
We dangle our legs and smoke.
What care we for a brakeman's wrath—
We're happy and free, though broke!

The hills slip by and the big, round moon,
Slips under the clouds with a grin.
Though to steal is wrong—to borrow a freight
Is anything but a sin.



Allen and Henschel crossing Doctor Baysinger's lot.

Jim: "We shouldn't go across here; we'll flunk every subject at the College."

Henschel: "What does Doc. Baysinger teach at the School of Mines, anyhow?"

In Conversation

Mitt: "When I get to Jefferson City in the large stone mansion, I'll——"

Vogel: "The stone mansion with iron bars at the window?"

Boob Awards in 1915

ALL INTERNATIONAL BOOBS—

Edwin Alexander Kayser,
Octavius Louis Lumaghi.

ALL AMERICAN BOOBS—

Josiah Bridge,
“Pete” Trent.

ALL GALACIAN BOOB—

X. Y. Z. Lesniak.

ALL EASTERN BOOBS—

“Mephisto” Weissbach,
“Fritz” Heman,
Wilhelm Augustus Gleason.

ALL WESTERN BOOB—

Thomas Purcell William Henry Harrison L.L.D.D. McCague.

ALL MISSOURI VALLEY BOOBS—

Ralph Maher,
J. L. Head.

ALL TEXAS BOOBS—

James A. Worley,
J. Bruce Kennedy.

UNACCOUNTABLE BOOBS—

“Bobby” Roberts,
Lester Strobach,
“Woodrow” Wilson (No. 1),
“Woodrow” Wilson (No. 2),
“Otto” Mitt.
etc., etc., etc.

A SHORT STORY

(See page 194)



A Short Story

For a month or more many cats did play
 And mew in the cellar and over the way,
 Until Mr. Bridge got angry one night
 And thought he would take a hand in the fight.
 So he went on the porch with his gun in his hand
 And shot in the dark, right into the band.
 It happened that two cats were up in the tree
 Mewing as happy as happy could be.
 The instant the shot—one cat fell to the ground,
 Then all was silent and still around,
 As the boys came down and went to see
 What Bridge had killed up there in the tree.
 About that time the cat arose and fled.
 "I'll get out of this now while I can," she said;
 "I have nine lives to live and this is but four;
 If I go now, I will surely have more."
 So she ran to the house and under the floor,
 Right by the water pipes near the parlor door
 She stopped and listened,—hark! a man—
 "I'll get even with him some day if I can."
 It was an accident, Mr. Bridge had said,
 After an hour's hunt, when he crawled into bed.
 The incident was forgotten as time passed by,
 And poor little kittie was left there to die.
 Erskine, Bayha, Bridge and Frame
 Went joyfully on to their goal of fame
 E're it was called to mind why the cat never came
 To disturb them while at study, or playing a game.
 At last it was discovered one beautiful warm day—
 The cat had revenge in her own natural way.
 The burial, 'neath the house, was that same afternoon
 And all quite agreed, not an hour too soon.

The Fussing Trust

LIFE MEMBERS—

Lister Cummings, Lucian Erskine.

NEAR LIFE MEMBERS—

Otto Mitt, Willard M. Benham, B. W. Adams,
 Clarence E. S. Bardsley, "Babe" Head.

STEADY FUSSERS—

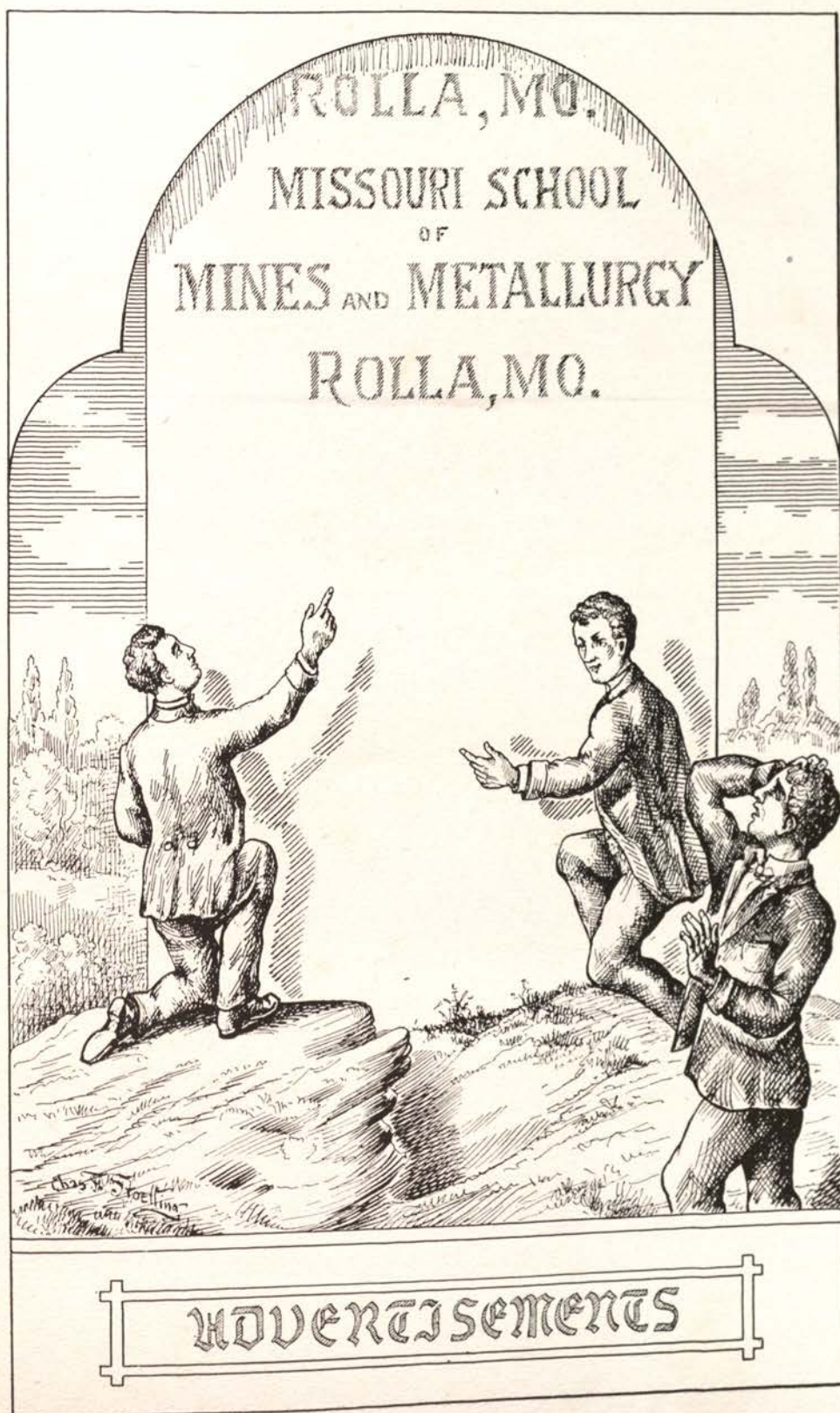
Roy Watson Griffin, "Madame" Lawrence (No.1),
 "Madame" Lawrence (No. 2), "Jim" Bock.

INTERMITTENT FUSSERS—

"Jimmy" Allen, E. Albrecht Schroer,
 "Danny" Blaylock, Byron Ashdown.

NEVER AGAIN—

W. F. Gammeter, Abe Rossman, J. S. Hoffman.



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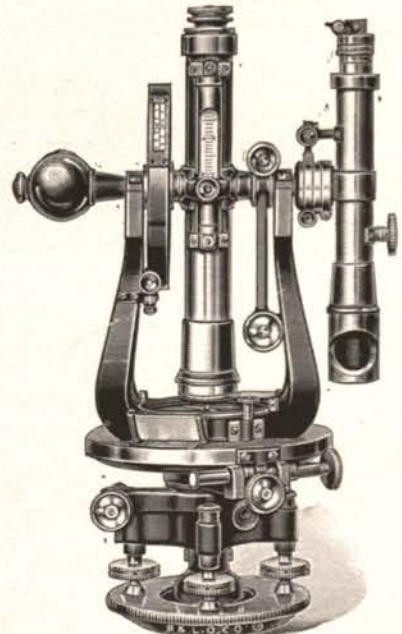
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S. B. BENTLEY

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Delmonico

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Clyde Reinoehl
Manager

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students exchange column.
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Fine Job Work a Specialty

ROLLA, MO.

Keep Moving

There's only one method of meeting life's test.
Just keep on a-stirring, and hope for the best,
Don't give up the ship and retire in dismay
Cause hammers are thrown, where you'd like a bouquet.

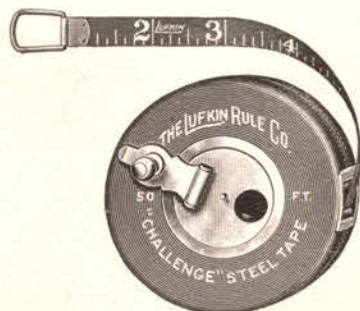
The world would be tiresome; we'd all have the blues
If all the folks in it held the same views.
So finish your work, show the best of your skill.
Some people won't like you, but other folks will.

If you are sinking a shaft or building a fence,
Do the best that you can with your common sense
One small word of praise in this journey of tears,
Outweighs in the balance 'gainst carloads of cheers.

The plants that are posing as commonplace weeds,
Oft prove to be just what a sufferer needs.
So keep right on moving, don't stay standing still,
Some people won't like you, but other folks will.

B. H. Rucker has some good ideas and might suggest something that will be valuable to you, have a talk with him, HE KEEPS MOVING, his judgment on ABSTRACTS of Title to Missouri lands is reliable.

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